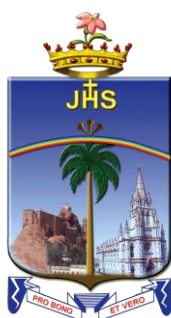


M.A. ECONOMICS
LOCF SYLLABUS – 2021

SCHOOLS OF EXCELLENCE
WITH CHOICE BASED CREDIT SYSTEM (CBCS)



DEPARTMENT OF ECONOMICS
SCHOOL OF MANAGEMENT STUDIES
ST.JOSEPH'S COLLEGE (AUTONOMOUS)

Special Heritage Status Awarded by UGC
Accredited at A⁺⁺ Grade (IV Cycle) by NAAC
College with Potential for Excellence by UGC
DBT-STAR & DST-FIST Sponsored College
Tiruchirappalli - 620 002, Tamil Nadu, India

SCHOOLS OF EXCELLENCE WITH CHOICE BASED CREDIT SYSTEM (CBCS) POSTGRADUATE COURSES

St. Joseph's College (Autonomous), a pioneer in higher education in India, strives to maintain and uphold the academic excellence. In this regard, it has initiated the implementation of five "Schools of Excellence" from the academic year 2014 – 15, to meet and excel the challenges of the 21st century.

Each School integrates related disciplines under one roof. The school system enhances the optimal utilization of both human and infrastructural resources. It also enhances academic mobility and enriches employability. The School system preserves the identity, autonomy and uniqueness of every department and reinforces Student centric curriculum designing and skill imparting. These five schools adhere to achieve and accomplish the following objectives.

Optimal utilization of resources both human and material for the academic flexibility leading to excellence.

Students experience or enjoy their choice of courses and credits for their horizontal mobility.

The existing curricular structure as specified by TANSCH and other higher educational institutions facilitate the Credit-Transfer Across the Disciplines (CTAD) - a uniqueness of the choice based credit system.

Human excellence in specialized areas

Thrust in internship and / or projects as a lead towards research and

The multi-discipline nature of the School System caters to the needs of stake-holders, especially the employers.

Credit system:

Weightage to a course is given in relation to the hours assigned for the course. Generally one hour per week has one credit. For viability and conformity to the guidelines credits are awarded irrespective of the teaching hours. The credits and hours of each course of a programme is given in the table of Programme Pattern. However, there could be some flexibility because of practical, field visits, tutorials and nature of project work.

For PG courses, a student must earn a minimum of 110 credits as mentioned in the programme pattern table. The total number of minimum courses offered by the Department is given in the Programme Structure.

OUTCOME-BASED EDUCATION (OBE)

LEARNING OUTCOME-BASED CURRICULUM FRAMEWORK (LOCF)

OBE is an educational theory that bases each part of an educational system around goals (outcomes). By the end of the educational experience, each student should have achieved the goal. There is no single specified style of teaching or assessment in OBE; instead, classes, opportunities and assessments should all help the students achieve the specific outcomes

Outcome Based Education, as the name suggests depends on Outcomes and not Inputs. The outcomes in OBE are expected to be measurable. In fact each Educational Institute can state its own outcomes. The ultimate goal is to ensure that there is a correlation between education and employability

Outcome –Based Education (OBE): is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve, stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels.

Some important aspects of the Outcome Based Education

Course: is defined as a theory, practical or theory cum practical subject studied in a semester.

Course Outcomes (COs): are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course. Generally three or more course outcomes may be specified for each course based on its weightage.

Programme: is defined as the specialization or discipline of a Degree.

Programme Outcomes (POs): Programme outcomes are narrower statements that describe what students are expected to be able to do by the time of graduation. POs are expected to be aligned closely with Graduate Attributes.

Programme Specific Outcomes (PSOs):

PSOs are what the students should be able to do at the time of graduation with reference to a specific discipline.

Programme Educational Objectives (PEOs): The PEOs of a programme are the statements that describe the expected achievement of graduates in their career, and also in particular, what the graduates are expected to perform and achieve during the first few years after Graduation.

Some important terminologies repeatedly used in LOCF.

Core Courses (CC)

A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course. These are the courses which provide basic understanding of their main discipline. In order to maintain a requisite standard certain core courses must be included in an academic program. This helps in providing a universal recognition to the said academic program.

Discipline Specific Elective Courses (DSE)

Elective course may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective (DSE). These courses offer the flexibility of selection of options from a pool of courses. These are considered specialized or advanced to that particular programme and provide extensive exposure in the area chosen; these are also more applied in nature.

DSE: Four courses are offered, one course in each semester.

Note: To offer **one DSE**, a minimum of two courses of equal importance / weightage is a must.

One DSE Course in semester two is offered as interdisciplinary/common course among the departments in a School (Common Core Course) at the PG level.

Generic Elective Courses

An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.

Generic Elective courses are designed for the students of **other disciplines**. Thus, as per the CBCS policy, the students pursuing particular disciplines would have to opt Generic Elective courses offered by other disciplines, as per the basket of courses offered by the college. The scope of the Generic Elective (GE) Courses is positively related to the diversity of disciplines in which programmes are being offered by the college.

Two GE Courses are offered, one each in semesters II and III. The GE course offered in semester II is within the school level and the GE in semester III is Between Schools level

The Ability Enhancement Courses (AEC)

One Main discipline related Ability Enhancement Course for 3 credits is offered for a PG programme by the Department.

Skill Enhancement Courses (SECs)

These courses focus on developing skills or proficiencies in the student, and aim at providing hands-on training. Skill enhancement courses can be opted by the students of any other discipline, but are highly suitable for students pursuing their academic programme.

One SEC is offered in semester II as a compulsory course on Soft Skills, offered by the Department of Human Excellence, common to all the students of PG programme.

Self-paced Learning: It is a course for two credits. It is offered to promote the habit of independent/self learning of Students. Since it is a two credit course, syllabus is framed to complete within 45 hours. It is not taught in the regular working hours.

Comprehensive Examinations: A detailed syllabus consisting of five units to be chosen from the courses offered over the five semesters which are of immense importance and those portions which could not be accommodated in the regular syllabus.

Extra Credit Courses: In order to facilitate the students, gaining knowledge/skills by attending online courses MOOC, credits are awarded as extra credits, the extra credit are at three semesters after verifying the course completion certificates. According to the guidelines of UGC, the students are encouraged to avail this option of enriching their knowledge by enrolling themselves in the Massive Open Online Courses (MOOC) provided by various portals such as SWAYAM, NPTEL and etc.

Course Coding:

The following code system (10 alphanumeric characters) is adopted for Post Graduate courses:

21	PXX	N	XX	NN/NNX
Year of Revision	PG Department Code	Semester number.	Part Category	running number/with choice

N:- Numerals X :- Alphabet

Part Category

CC - Core Theory

CP- Core Practical

IS- Internship

SP- Self Paced Learning

CE- Comprehensive Examination

PW- Project Work & viva-voce

Electives Courses

ES – Department Specific Electives

EG- Generic Electives

EC - Additional core Courses for Extra Credits (If any)*

Ability Enhancement Courses

AE – Ability Enhancement Course

SE – Skill Enhancement Course – Soft skills

CW - SHEPHERD & Gender Studies (Outreach)

CIA AND SEMESTER EXAMINATION

Continuous Internal Assessment (CIA):

Distribution of CIA Marks	
Passing Minimum: 50 Marks	
Library Referencing	5
3 Components	35
Mid-Semester Test	30
End-Semester Test	30
CIA	100

MID-SEM & END-SEM TEST

Centralised – Conducted by the office of COE

1. Mid-Sem Test & End-Sem Test: (2 Hours each); will have Objective and Descriptive elements; with the existing question pattern PART-A; PART-B; PART-C and PART D.
2. One of the CIA Component II/III for UG & PG will be of 15 marks and compulsorily a online objective multiple choice question type.
3. The online CIA Component must be conducted by the Department / faculty concerned at a suitable computer centre.
4. The one marks of PART-A of Mid-Sem and End-Sem Tests will comprise only: OBJECTIVE MULTIPLE CHOICE QUESTIONS.
5. The number of hours for the 5 marks allotted for Library Referencing/ work would be 30 hours per semester. The marks scored out of 5 will be given to all the courses (Courses) of the Semester.

Duration of Examination must be rational; proportional to teaching hours 90 minute-examination / 50 Marks for courses of 2/3 hours/week (all Part IV UG Courses) 3-hours examination for courses of 4-6 hours/week.

Knowledge levels for assessment of Outcomes based on Blooms Taxonomy

S. No.	Level	Parameter	Description
1	K1	Knowledge/Remembering	It is the ability to remember the previously learned
2	K2	Comprehension/Understanding	The learner explains ideas or concepts
3	K3	Application/Applying	The learner uses information in a new way
4	K4	Analysis/Analysing	The learner distinguishes among different parts
5	K5	Evaluation/Evaluating	The learner justifies a stand or decision
6	K6	Synthesis /Creating	The learner creates a new product or point of view

WEIGHTAGE of K – LEVELS IN QUESTION PAPER

(Cognitive Level) K- LEVELS	Lower Order Thinking			Higher Order Thinking			Total %
	K1	K2	K3	K4	K5	K6	
SEMESTER EXAMINATIONS	15	20	35	30			100
MID / END Semester TESTS	12	20	35	33			100

QUESTION PATTERN FOR SEMESTER EXAMINATION

SECTION	MARKS
SECTION-A (No choice ,One Mark) THREE questions from each unit (15x1 =15)	15
SECTION-B (No choice ,2-Marks) TWO questions from each unit (10x2 =20)	20
SECTION-C (Either/or type) (7- Marks) ONE question from each unit (5x7 =35)	35
SECTION-D (3 out of 5) (10 Marks) ONE question from each unit (3x10 =30)	30
Total	100

BLUE PRINT OF QUESTION PAPER FOR SEMESTER EXAMINATION							
DURATION: 3. 00 Hours.				Max Mark : 100			
K- LEVELS	K1	K2	K3	K4	K5	K6	Total Marks
SECTIONS							
SECTION–A (One Mark, No choice) (15x1 =15)	15						15
SECTION-B (2-Marks, No choice) (10x2=20)		10					20
SECTION-C (7- Marks) (Either/or type) (5x7=35)			5				35
SECTION-D (10 Marks) (3 out of 5) (3x10=30) Courses having only K4 levels				3			30
Courses having K4 and K5 levels One K5 level question is compulsory				2	1		
(Courses having all the 6 cognitive levels One K5 and K6 level questions can be compulsory				1	1	1	
Total	15	20	35	30			100

QUESTION PATTERN FOR MID/END TEST		
SECTION	MARKS	
SECTION–A (No choice, One Mark) (7x1 =7)	7	
SECTION-B (No choice , 2-Marks) (6x2 =12)	12	
SECTION-C (Either/or type) (7- Marks) (3x7 =21)	21	
SECTION-D (2 out of 3) (10 Marks) (2x10=20)	20	
Total	60	

BLUE PRINT OF QUESTION PAPER FOR MID/END TEST								
DURATION: 2. 00 Hours.				Max Mark: 60.				
K- LEVELS	K1	K2	K3	K4	K5	K6	Total Marks	
SECTIONS								
SECTION –A (One Mark, No choice) (7 x 1 = 7)	7						07	
SECTION-B (2-Marks, No choice) (6 x 2 = 12)		6					12	
SECTION-C (Either/or type) (7-Marks) (3 x 7 =21)			3				21	
SECTION-D (2 out of 3) (10 Marks) (2x10=20) Courses having only K4 levels				2			20	
Courses having K4 and K5 levels One K5 level question is compulsory				1	1			
Courses having all the 6 cognitive levels One K6 level question is compulsory					1	1		
Total Marks	07	12	21	20			60	
Weightage for 100 %	12	20	35	33			100	

Assessment pattern for two credit courses.

S. No.	Course Title	CIA	Semester Examination	Total Marks
1	Self Paced Learning Course	25 + 25 = 50	50 Marks MCQ (COE)	100
2	Comprehensive Examinations	25 +25 = 50	50 Marks (MCQ) (COE)	100
3	Internship	100	--	100
4	Field Visit	100	--	100
5	Ability Enhancement Course (AEC) for PG (3 credits)	50 (Three Components)	50 (COE) Specific Question Pattern	100
Assessment Pattern for Courses in Part - IV				
6	Value Education Courses and Environmental Studies	50	50 Marks (For 2.00 hours) (COE)	100
7	Skill Enhancement Courses(SECs)	50 marks (by Course in-charge) 50 Marks (by an External member from the Department)		100
8	SEC: SOFT SKILLS (For UG and PG)	100	(Fully Internal)	100

EVALUATION

GRADING SYSTEM

Once the marks of the CIA and the end-semester examination for each of the courses are available, they will be added and converted as final mark. The marks thus obtained will then be graded as per the scheme provided in Table-1.

From the second semester onwards, the total performance within a semester and the continuous performance starting from the first semester are indicated by semester Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) respectively. These two are calculated by the following formulae:

$GPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$	$WAM (Weighted Average Marks) = \frac{\sum_{i=1}^n C_i M_i}{\sum_{i=1}^n C_i}$
<p>Where,</p> <p>C_i is the Credit earned for the Course i</p> <p>G_i is the Grade Point obtained by the student for the Course i</p> <p>M_i is the marks obtained for the course i and</p> <p>n is the number of Courses Passed in that semester.</p>	

CGPA: Average GPA of all the Courses starting from the first semester to the current semester.

CLASSIFICATION OF FINAL RESULTS:

- i) The classification of final results shall be based on the CGPA, as indicated in Table-2.
- ii) For the purpose of Classification of Final Results, the candidates who earn the CGPA 9.00 and above shall be declared to have qualified for the Degree as 'Outstanding'. Similarly the candidates who earn the CGPA between 8.00 and 8.99, 7.00 and 7.99, 6.00 and 6.99 and 5.00 and 5.99 shall be declared to have qualified for their Degree in the respective programmes as 'Excellent', 'Very Good', 'Good', and 'Above Average' respectively.
- iii) A Pass in SHEPHERD will continue to be mandatory although the marks will not count for the calculation of the CGPA.
- iv) Absence from an examination shall not be taken an attempt.

Table-1: Grading of the Courses

Marks Range	Grade Point	Corresponding Grade
90 and above	10	O
80 and above and below 90	9	A+
70 and above and below 80	8	A
60 and above and below 70	7	B+
50 and above and below 60	6	B
Below 50	0	RA

Table-2: Final Result

CGPA	Corresponding Grade	Classification of Final Result
9.00 and above	O	Outstanding
8.00 to 8.99	A+	Excellent
7.00 to 7.99	A	Very Good
6.00 to 6.99	B+	Good
5.00 to 5.99	B	Above Average
Below 5.00	RA	Re-appearance

Credit based weighted Mark System is adopted for the individual semesters and cumulative semesters in the column 'Marks secured' (for 100)

Declaration of Result

Mr./ MS. _____ has successfully completed the Post Graduate in _____ programme. The candidate's Cumulative Grade Point Average (CGPA) is _____ and the class secured is _____ by completing the minimum of 110 credits.

The candidate has also acquired _____ (if any) extra by attending MOOC courses.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

The Programme Outcomes(POs)/Programme Specific Outcomes(PSOs) are the qualities that must be imbibed in the graduates by the time of completion of their programme. At the end of each programme the PO/PSO assessment is done from the CO attainment of all curriculum components. The POs/PSOs are framed based on the guidelines of LOCF. There are five POs UG programme and five POs for PG programme framed by the college. PSOs are framed by the departments and they are five in numbers.

For each Course, there are five Course Outcomes to be achieved at the end of the course. These Course outcomes are framed to achieve the POs/PSOs. All course outcomes shall have linkage to POs/PSOs in such a way that the strongest relation has the weight 3 and the weakest is 1. This relation is defined by using the following table.

Mapping	<40%	$\geq 40\%$ and < 70%	$\geq 70\%$
Relation	Low Level	Medium Level	High Level
Scale	1	2	3

Mean Scores of COs = $\frac{\text{Sum of values}}{\text{Total No.of POs \& PSOs}}$		Mean Overall Score = $\frac{\text{Sum of Mean Scores}}{\text{Total No.of COs}}$	
Result	Mean Overall Score	< 1.2	# Low
		≥ 1.2 and < 2.2	# Medium
		≥ 2.2	# High

If the mean overall score is low then the course in charge has to redesign the particular course content so as to achieve high level mean overall score.

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If the mean overall score is low then the course in charge has to redesign the particular course content so as to achieve high level mean overall score.

VISION

Forming globally competent, committed, compassionate and holistic persons, to be men and women for others, promoting a just society.

MISSION

- Fostering learning environment to students of diverse background, developing their inherent skills and competencies through reflection, creation of knowledge and service.
- Nurturing comprehensive learning and best practices through innovative and value-driven pedagogy.
- Contributing significantly to Higher Education through Teaching, Learning, Research and Extension.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Graduates will be able to accomplish professional standards in the global environment.
- Graduates will be able to uphold integrity and human values.
- Graduates will be able to appreciate and promote pluralism and multiculturalism in working environment.

PROGRAMME OUTCOMES (POs) PG

1. Graduates will be able to apply assimilated knowledge to evolve tangible solutions to emerging problems.
2. Graduates will be able to analyze and interpret data to create and design new knowledge.
3. Graduates will be able to engage in innovative and socially relevant research and effectively communicate the findings.
4. Graduates will become ethically committed professionals and entrepreneurs upholding human values.
5. Graduates groomed with ethical values and social concern will be able to understand and appreciate cultural diversity, promote social harmony and ensure sustainable environment.

PROGRAM SPECIFIC OUTCOMES (PSO) PG

1. Define and apply the fundamental concepts, principles and methods of Economics in Multidisciplinary fields. (K1, K3)
2. Develop and use the analytical skills and intellectual maturity to comprehend the complexities in the working of the economy. (K3, K6)
3. Apply and estimate mathematical and statistical tools in the analysis of emerging economic and social problems. (K3, K5)
4. Understand and infer the research culture and uphold ethical, social and economic responsibilities of environmental sustainability. (K2, K4)
5. Create and integrate entrepreneurial development skills and Corporate Social Responsibilities to build a successful career and to promote social welfare. (K6)

M.A. ECONOMICS					
PROGRAMME STRUCTURE					
Sem.	Specification	No. of Courses	No. of Hours	Credits	Total Credits
I-IV	Core Courses : Theory	13	78	69	69
II	Self paced learning	1	-	2	2
I- IV	Discipline Specific Elective	4	20	16	16
IV	Comprehensive Examination	1	-	2	2
IV	Project	1	6	5	5
I	Ability Enhancement Course	1	4	3	3
II	Skill Enhancement Course (Soft Skills)	1	4	3	3
II	Generic Elective IDC (WS)	1	4	3	3
III	Generic Elective IDC (BS)	1	4	3	3
II –IV	Online courses (MOOC)	3	-	(6)	(6)
I-IV	Outreach Programme	-	-	4	4
	Total		120	110(6)	110(6)

M.A. ECONOMICS							
PROGRAMME PATTERN							
Course Details					Scheme of Exams		
Sem	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
I	21PEC1CC01	Advanced Microeconomics – I	5	5	100	100	100
	21PEC1CC02	Analysis of Indian Economy	5	4	100	100	100
	21PEC1CC03	Public Economics	5	4	100	100	100
	21PEC1CC04	Statistical Tools for Economics	6	5	100	100	100
	21PEC1ES01A	DSE-1: New Frontiers in Economics	5	4	100	100	100
	21PEC1ES01B	DSE-1:Economics of Rural Development					
	21PEC1AE01	AEC: Computer Application in Economics	4	3	50	50	50
	Total		30	25			
II	21PEC2CC05	Advanced Microeconomics-II	6	5	100	100	100
	21PEC2CC06	Mathematical Tools for Economics	6	5	100	100	100
	21PEC2CC07	Macroeconomic Process	5	5	100	100	100
	21PEC2SP01	Self Paced Learning: Economics of Tourism	-	2	50	50	50
	21SMS2ES02	DSE-2:Common Core: Human Resource Management	5	4	100	100	100
	21PSS2SE01	SEC: Soft Skills	4	3	100	-	100
	21PEC2EG01	GE-1(WS):Labour Economics	4	3	100	100	100
		Extra Credit Courses (MOOC)-1	-	(2)			
Total		30	27(2)				
III	21PEC3CC08	Economics of Growth and Development	7	6	100	100	100
	21PEC3CC09	Monetary Economics	7	6	100	100	100
	21PEC3CC10	Econometrics	7	6	100	100	100
	21PEC3ES03A	DSE-3: Agricultural Economics	5	4	100	100	100
	21PEC3ES03B	DSE-3:Behavioural Economics					
	21PEC3EG02	GE-2(BS): Managerial Economics	4	3	100	100	100
		Extra Credit Courses MOOC)-2		(2)			
Total		30	25(2)				
IV	21PEC4CC11	International Economics	7	6	100	100	100
	21PEC4CC12	Research Methodology	6	6	100	100	100
	21PEC4CC13	Industrial Economics	6	6	100	100	100
	21PEC4ES04A	DSE-4:Optimization Techniques in Economics	5	4	100	100	100
	21PEC4ES04B	DSE-4:Information Economics					
	21PEC4PW01	Project Work and Viva Voce	6	5	100	100	100
	21PEC4CE01	Comprehensive Examination	-	2	50	50	50
		Extra Credit Courses (MOOC)-3	-	(2)			
Total		30	29(2)				
I-IV	21PCW4OR01	Outreach Programme (SHEPHERD)		4			
Total (Four Semesters)			120	110 (6)			

*The courses with a scheme of Exam 50 in CIA and SE will be converted to 100 for grading.

GENERIC ELECTIVE -1: 2nd Semester Within school (WS)- Offered to students belong to other Departments in the School							
Course Details					Scheme of Exams		
School	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
SBS	21PBI2EG01	Herbal Technology	4	3	100	100	100
	21PBT2EG01	Medical Biotechnology	4	3	100	100	100
	21PBO2EG01	Medicinal Botany	4	3	100	100	100
SCS	21PCA2EG01	Applied Statistics using R	4	3	100	100	100
	21PMA2EG01	Mathematical Foundations	4	3	100	100	100
	21PCS2EG01	Mobile Adhoc Networks (MANET)	4	3	100	100	100
SLAC	21PEN2EG01A	Indian Literature in Translation	4	3	100	100	100
	21PEN2EG01B	English Literature For Competitive Examinations					
SMS	21PCO2EG01	Supply Chain Management	4	3	100	100	100
	21PEC2EG01	Labour Economics	4	3	100	100	100
	21PHR2EG01	Organizational Behaviour	4	3	100	100	100
	21PCC2EG01	Stress Management	4	3	100	100	100
SPS	21PCH2EG01	Industrial Products	4	3	100	100	100
	21PPH2EG01A	Solar Energy and Utilization	4	3	100	100	100
	21PPH2EG01B	Renewable Energy Resources	4	3	100	100	100

GENERIC ELECTIVE -2: 3rd Semester Between schools (BS)- Offered to students in the Departments belong to other Schools (Except the school offering the course)							
Course Details					Scheme of Exams		
School	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
SBS	21PBI3EG02	First Aid Management	4	3	100	100	100
	21PBT3EG02	Food Technology	4	3	100	100	100
	21PBO3EG02	Horticulture and Landscaping	4	3	100	100	100
SCS	21PCA3EG02	Web Design	4	3	100	100	100
	21PMA3EG02	Operations Research	4	3	100	100	100
	21PCS3EG02	Advances in Computer Science	4	3	100	100	100
	21PDS3EG02	Deep Learning	4	3	100	100	100
SLAC	21PEN3EG02	English for Effective Communication	4	3	100	100	100
SMS	21PCO3EG02	Basics of Taxation	4	3	100	100	100
	21PEC3EG02	Managerial Economics	4	3	100	100	100
	21PHR3EG02	Counselling and Guidance	4	3	100	100	100
	21PCC3EG02	Dynamics of Human Behaviour in Business	4	3	100	100	100
SPS	21PCH3EG02	Health Science	4	3	100	100	100
	21PPH3EG02A	Physics for Competitive Exam	4	3	100	100	100
	21PPH3EG02B	Nano Science	4	3	100	100	100

Semester	Course Code	Title of the Course	Hours	Credits
I	21PEC1CC01	CORE - 1: ADVANCED MICROECONOMICS-I	5	5

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	examine the basic concepts of advanced microeconomics	K1
CO-2	compare the various theories of demand with modern utility analysis	K2
CO-3	illustrate how micro economic concepts can be applied in real life situations	K3
CO-4	explain the concepts of game theory and to illustrate its importance in explaining various kinds of economic and social phenomena.	K4
CO-5	evaluate the producers' decision-making and working of the market system in the economy.	K5

Unit – I: Introduction and Basic Concepts (15 Hours)

Basic Economic Problem – Choice and scarcity – Deductive and Inductive Methods of Analysis – Positive and Normative Economics – Economic models –Types and Characteristics of Equilibrium and Disequilibrium

Unit – II: Demand Analysis (15 Hours)

Theories of Demand – Utility, Indifference Curves - Price, Income and Substitution Effects – Slutsky and Hicksian Approaches – Elasticities - Price, Income and Cross Elasticities of Demand – Theoretical Aspects and Empirical Estimator – Revealed Preference Theory of Samuelson – Revision of Demand Theory of Hicks – Consumer's Surplus –Developments in Demand Analysis – Modern Utility Analysis – Petersburg, Friedman - Savage Hypotheses – Markowitz Hypothesis

Unit – III: Theory of Production and Costs (15 Hours)

Production Function – Short and Long Periods –Law of Variable Proportions and Laws of Returns to Scale – Iso-quants – Least Cost Combination of Inputs – Economies of Scale – Multi-Product Firm – Elasticity of Substitution – Technical Progress and Production Function: Cobb - Douglas and CES – Modern Theories of Costs – Derivation of Cost Functions from Production Functions

Unit – IV: Price and Output Determination (15 Hours)

Marginal Analysis: Price and Output Determination in Perfect Competition: Short-Run and Long-Run – Equilibrium of the Firm and Industry – Price and Output Determination – Supply Curves of the Firm and Industry – Monopoly: Short-run and Long - run Equilibrium – Price Discrimination – Monopolistic Competition; General and Chamberlin Approaches to

Equilibrium – Oligopoly: Collusive and Non-Collusive of Cournot Solution – Kinked Demand Curve – Price Leadership – Cartels

Unit – V: Linear Programming and Game Theory (*Theoretical Aspects Only*) (15 Hours)

Introduction to Linear Programming – concepts of LPP – the Simplex Method-Primal and Dual Solutions – Game Theory: Rules, Two-Persons Zero Sum Game – Pay-off Matrices

Books for Study

1. Koutsoyiannis A. (1987) *Modern Microeconomics*, Macmillan Press, London.
2. Ahuja H.L. (2009) - *Advanced Economic Theory Microeconomic Analysis*, Chand, New Delhi.

Books for References

1. DaCosta.,G.C., (1980) *Production, Prices and Distribution*, Tata Mc Graw Hill New Delhi.
2. Hirshleifer, J and Glazer A, (1997) *Price Theory and Applications*, Prentice Hall of India, New Delhi.
3. Kennedy, Maria John M., (1999) *Advanced Micro Economic Theory*, Himalaya Publishing House, New Delhi.
4. Stigler,G.,(1996) *Theory of Price*, Prentice Hall of India, New Delhi.
5. Salvatore, Dominic (1991), *Micro Economic Theory*, McGraw Hill, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
I	21PEC1CC01	CORE – 1: ADVANCED MICROECONOMICS – I									5	5
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	2	3	2	3	3	2	2	2	2.5	
CO-2	3	3	2	2	2	3	3	2	3	3	2.6	
CO-3	3	1	2	3	2	2	3	2	2	2	2.2	
CO-4	3	2	2	2	1	3	3	2	2	2	2.2	
CO-5	3	3	3	3	2	3	3	2	2	3	2.7	
Mean overall Score											2.44	(High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21PEC1CC02	CORE – 2: ANALYSIS OF INDIAN ECONOMY	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the impact of tertiary and external sectors on Indian economy.	K1
CO–2	understand the significance of natural and human resources in the development of Indian economy.	K2
CO–3	interpret the role and issues of agricultural sector in Indian economy.	K3
CO–4	analyse various industrial policies and reforms in Indian economy.	K4
CO–5	Integrate and evaluate Liberalization, Privatization and Globalization in the context of Indian Economic development.	K5&K6

Unit – I: Structure of Indian Economy (15 Hours)

Natural Resources: land, water, and forest - Demographic features; size, se composition and growth rates of population - latest Census of Population - Infrastructure - Transport, Communication and Energy; National Income: Trend, growth rate and sectoral contribution

Unit – II: Agricultural Sector (15 Hours)

Institutional structure – Green Revolution and Technological change in agriculture –Types of Faming: contract farming - policies for sustainable agriculture – organic farming and precision farming and Integrated farming Agricultural Marketing and Warehousing; Food security - Pricing of agricultural inputs and output- Minimum Support Price (MSP) - Agricultural finance policy.

Unit – III: Industrial Sector (15 Hours)

Industrial Policy Resolution - of 1948, 1956, 1991,- Recent amendments of Industrial policy - Role and Structure of Major Large Scale Industries – MSME – Rural industrialization – industrial estate Industrial sickness: cause and remedies: Evaluation of Privatization and Disinvestment; – SEZ - Make in India. Digitization.

Unit – IV: Servicesector and External Sector (15 Hours)

Role and Significance of Information Technology, Banking and Insurance - Composition of India's foreign trade Imports and Exports - Direction and trends in foreign trade – Import substitution and export promotion – Balance of payments in India - Foreign capital and MNCs in India - State Trading Corporation.

Unit – V: Planning and Economic Reforms**(15 Hours)**

Planning in India, Objectives; Strategies; Broad Achievements and Failures; Current Five Year Plan - objectives, allocation and targets; NITI AAYOG Economic Reforms: Liberalization, Privatization and Globalization; - WTO

Books for Study

1. Dutt and K.P.M. Sundaram - *Indian Economy*, 73rd edition Sultan Chand & Sons, New Delhi, 2019.
2. Dhingra, I.C., (2019) *March of the Indian Economy*: 8th Edition. Heed Publication PVT. Ltd., Haryana.

Books for Reference

1. Kindleberger, C.P. (1977), *Economic Development*, 3e, McGraw Hill, New York.
2. Meier, G.M. (2000), *Leading Issues in Economic Development*, 6e, Oxford University Press, New Delhi.
3. Jhingan, M.L., (2019) *The Economics of Development and Planning*, Vikas Publishing House PVT Ltd., New Delhi.
4. Dhar, P .K. (2015) *Indian Economy - its growing dimensions*, Kalyani Publishers.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits
I	21PEC1CC02		CORE – 2: ANALYSIS OF INDIAN ECONOMY						5		4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO–1	PO–2	PO–3	PO–4	PO–5	PSO–1	PSO–2	PSO–3	PSO–4	PSO–5	
CO–1	1	2	2	2	2	3	2	3	2	2	2.1
CO–2	2	1	3	2	1	2	3	3	2	3	2.2
CO–3	2	2	1	2	2	3	3	3	3	2	2.3
CO–4	3	3	2	2	1	2	2	3	2	3	2.3
CO–5	2	2	3	2	2	2	2	3	2	2	2.2
Mean overall Score											2.22 (High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21PEC1CC03	CORE – 3: PUBLIC ECONOMICS	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	recall the role and functions of the government in a modern Economy.	K1
CO–2	discuss the concept of market failure and its remedial measures.	K2
CO–3	apply the concepts and theories of Public Economics in real life situation.	K3
CO–4	analyse the financial relations between Centre, state and local Governments.	K4
CO–5	design and evaluate mock budget.	K5&K6

Unit – I: Government and the Economy (15 Hours)

Major economic functions of the economy: Allocation function, Distribution function, Stabilization function – Private Goods, Public goods and Merit goods – Market Failure – Externalities- Informational Asymmetry – Theory of Second Best: Private and public mechanism for allocating resources, Problems in allocation of resources, Problems of Preference revelation and aggregation of preferences, Voting Systems, Arrows Impossibility Theorem.

Unit – II: Public Revenue & Public Expenditure (15 Hours)

Concepts: Public Revenue – Sources - Benefit theory and Ability to pay approaches - Theory of optimal taxation; Excess burden of taxes; Trade - off between equity and efficiency. Theory of incidence; Alternative concepts of incidence - Allocative and equity aspects - Public Expenditure: Wagner’s law of increasing state activities; Wiseman – Peacock - hypothesis; Pure theory of public expenditure; Structure and growth of public expenditure; Social Cost -benefit Analysis.

Unit – III: Public Debt, Budget and Fiscal Policy (15 Hours)

Classical view of public debt- Compensatory aspect of debt policy - Burden of public debt - Sources of public debt; Public borrowings and price level; Crowding out of private investment and activity - Principles of debt management and repayment - Fiscal policy: objectives of fiscal policy - Interdependence of fiscal and monetary policies - concepts of Budget - Budgetary deficits and its implications; Fiscal policy for stabilization - automatic vs. discretionary stabilization.

Unit – IV: Fiscal Federalism (15 Hours)

Meaning and Importance of Federal Finance-Principles of multi-unit finance; Fiscal federalism in India; Vertical and horizontal imbalance- Functions of Finance Commission- Assignment of functions and sources of revenue, Constitutional provisions- Recent Finance

Commission, Resources transfer from Union to States and Local bodies - Criteria for transfer of Resources; Centre-state financial relations in India – Local Finances: Functions and Revenues.

Unit – V: Indian Public Finance

(15 Hours)

Indian tax system; Revenue of the Union, States and Local bodies; Major taxes in India: base of taxes, direct and indirect taxes, Reforms in direct and indirect taxes, taxes on services - GST; Non-tax revenue of Centre, State and Local bodies; Trends in Public expenditure and public debt; Fiscal crisis and fiscal sector reforms in India.

Books for Study

1. Singh S.K. (2014). *Public Finance Theory and Practice*, S.Chand& Co. Ltd, New Delhi.
2. Tyagi. B.P. (2012) *Public Finance*, Jai PrakashNath, Meerat.

Books for Reference

1. *Reports of various finance commission.*
2. Dr.M.Maria John Kennedy (2012), *Public Finance*, PHI Learning Pvt. Ltd.
3. Jha.R (1998), *Modern Public Economics*, Routledge, London
4. Musgrave. R A and P.B. Musgrave (1976). *Public Finance in Theory and Practice*, McGraw Hill, Kogakusha, Tokyo.
5. Spulber, N (1998) *Redefining the State*, Cambridge University Press, Cambridge.
6. Buchanan, J.M. (1968) *The Demand and Supply of Public Goods*, R and McNally, Chicago.
7. Peacock. A. and D.J. Robertson (Editors) (1963), *Public Expenditure: Appraisal and Control*
8. Gulati, I.S. (1979). *Centre State Financial Relations: An Assessment of the Role of Finance Commission*, M.S. University of Baroda, Baroda.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code					Title of the Course					Hours	Credits
I	21PEC1CC03					CORE – 3: PUBLIC ECONOMICS					5	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	3	2	2	2	2.3	
CO-2	2	3	2	2	3	2	2	2	2	2	2.2	
CO-3	2	2	2	2	2	3	2	2	2	2	2.1	
CO-4	3	2	2	2	2	3	3	2	2	1	2.2	
CO-5	2	2	2	2	2	3	3	2	2	2	2.2	
Mean overall Score											2.2	(High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21PEC1CC04	CORE – 4: STATISTICAL TOOLS FOR ECONOMICS	6	5

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the procedure of testing hypothesis.	K1
CO–2	estimate various methods of correlation and linear regression between two variables.	K2
CO–3	calculate various measurements of trends.	K3
CO–4	compare and contrast various properties of statistical distributions.	K4&K5
CO–5	formulate and test hypotheses for research in economics.	K6

Unit – I: Correlation and Regression (18 Hours)

Meaning, assumptions and limitations of simple correlation and regression analysis - Pearson's product moment and Spearman's rank correlation co- efficient - Concept of the least squares and the lines of regression - Concepts of R^2 and adjusted R^2

Unit – II: Analysis of Time Series (18 Hours)

Meaning and definition - Uses - Components – Measurement of Trend - Methods of Time series –Graphical method- Semi average method – Moving average method - Method of least squares.

Unit – III: Probability and Theoretical Distributions (18 Hours)

Classical and empirical definitions of probability - addition and multiplication theorems, conditional probability and concept of interdependence – Bayes theorem and its applications - Permutation and Combinations - Calculation of Probability - Properties of Binomial, Poisson and Normal distributions - Fitting of distributions.

Unit – IV: Tests of Hypotheses – I (18 Hours)

Procedure of Testing of hypothesis - Standard Error and sampling distribution – Estimation - Tests of significance for large samples - Tests of significance for small samples: Students t test - Type I and Type II errors.

Unit – V: Tests of Hypotheses – II (18 Hours)

χ^2 (chi-square) test and Goodness of fit - F- test and Analysis of Variance - Non-parametric tests: The sign test- A rank sum test: The Mann – Whitney U test – The Kruskal Wallis or H test.

Book for Study

Gupta S.P. *Statistical Methods*, Sultan Chand & sons, New Delhi, 2021.

Book for Reference

1. Gupta S.P. *Elementary Statistical Methods*, Sultan & Chand publishers, New Delhi, 2014.
2. Pillai, R.S.N. & Bagavathi. V, *Statistics, Theory and Practice*, S.Chand, New Delhi, 2010.
3. Croxton, F.E., Cowden, D.J., and Klein, S, *Applied General Statistics*, Prentice-Hall, New York, 1939.
4. Gupta, S C. & V.K. Kapoor, *Fundamentals of Applied Statistics*, Sultan Chand & sons, New Delhi, 2019.
5. Spiegel, M R., *Theory and Problems of Statistics*, McGraw Hill Book Co, London, 1922.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code					Title of the Course					Hours	Credits
I	21PEC1CC04					CORE – 4: STATISTICAL TOOLS FOR ECONOMICS					6	5
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	1	2	3	3	2	2	2.3	
CO-2	3	3	3	3	2	1	2	3	2	1	2.3	
CO-3	2	3	3	3	1	1	2	3	2	2	2.2	
CO-4	3	3	2	3	1	3	3	2	2	1	2.3	
CO-5	3	3	2	2	2	2	3	2	3	3	2.5	
Mean overall Score											2.3 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21PEC1ES01A	DSE – 1: NEW FRONTIERS IN ECONOMICS	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	identify the recent developments in Utility Analysis and Information Economics.	K1
CO–2	explain the recent developments in international relations.	K2
CO–3	interpret the recent indicators of economic development.	K3
CO–4	analyse the environmental impact on economic development.	K4
CO–5	critically assess the recent theories in Economics.	K5&K6

Unit – I: Theoretical Issues – (Microeconomics Perspective) (15 Hours)

N.M. Utility Analysis: Lancaster’s Approach - Hirschleiffer’s analysis of Uncertainty Asymmetric Information - Principal Agent Problems - Case Studies

Unit – II: Theoretical Issues – (Macroeconomics Perspective) (15 Hours)

Buchanan’s Public Choice Approach – Stiglitz Private Use of Public Interest – Neo - Classical: Rational Expectations - Sen.’s Approach to Welfare.

Unit – III: Indian Governance and Policy Issues (15 Hours)

India in the Emerging World System - Changing Perceptions about the role of the Government - Growth and pattern of International Economic Relations: Aid Investment and Trade

Unit – IV: Human Development Policy Issues (15 Hours)

Human Face of Development: Components of Human Development Index: Education and Health, Basic Need Approach - Women Empowerment - Recent Employment Programmes.

Unit – V: Environmental Issues (15 Hours)

Environmental Issues - Sustainable Development - Waste Management - Natural Disaster Management - Environmental Policies.

Books for Study

1. Koutsoyiannis A. (1987) *Modern Microeconomics*, Macmillan Press, London.
2. Musgrave. R A and P.B. Musgrave (1976). *Public Finance in Theory and Practice*, McGraw Hill, Kogakusha, Tokyo.
3. Kindleberger, C.P. (1977), *Economic Development*, 3e, McGraw Hill, New York.
4. Ackley, (Revised edition 2008) *Macroeconomics Theory and Policy* – Macmillan New York.
5. C. Kolstad (2012), *Intermediate Environmental Economics*, Oxford University Press

Book for Reference

1. Akerlof, (3, A. 1984. '*An Economic Theorist's Book of Tales*', Cambridge: Cambridge University Press.
2. Coase, R. 2001. '*The Problem of Social Cost*' Journal of Law and Economics, 3: 144.
3. Hirshleifer, J and Riley, J.G. 1992. '*The Analytics of Uncertainty and Information*', Cambridge: Cambridge University Press.
4. Orth, Qouglas, C.1990. '*Institutions, Institutional Change and Economic Performance*' Cambridge: Cambridge University Press. .
5. Spencer, M. 1973. '*Job Market signaling*' Quarterly Journal of Economics, 87: 355-374.
6. Sengupta, Nirmal. 2001. '*A New Institutional Theory of Production: An Application*', Sage Publication, New Delhi.
7. Stiglitz, J.E. 1998. '*The Private Use of Public Interest; Incentives and Institutions*', Journal of Economic Perspectives, Vol. 2-12, p-3-22.
8. Shankar, U. 2002. '*Asymmetric Information and Counteracting Institutions*', 1 EA Conference Vol., p.116.
9. *UNDP Reports*, Current Volumes, Oxford University Press, London
10. *World Development Reports*, Current Volumes.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
I	21PEC1ES01A		DSE – 1: NEW FRONTIERS IN ECONOMICS						5		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	1	3	3	2	2	3	2.3	
CO-2	2	2	2	1	2	2	3	2	2	3	2.2	
CO-3	2	2	3	2	3	2	3	2	3	2	2.4	
CO-4	1	2	2	3	2	2	3	2	2	2	2.1	
CO-5	1	3	2	2	3	2	2	2	2	3	2.1	
Mean overall Score											2.22 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21PEC1ES01B	DSE – 1: ECONOMICS OF RURAL DEVELOPMENT	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the characteristics of rural Economy.	K1
CO–2	express the performance and problems of rural economy of India.	K2
CO–3	show the trends of rural unemployment.	K3
CO–4	classify the different types of rural industries and its growth.	K4
CO–5	evaluate the skills of marketing and banking in rural areas.	K5

Unit – I: Characteristics of Rural Economy (15 Hours)

Characteristics of rural area - Pattern of agricultural production - Productivity: Causes of low agricultural productivity - Agriculture contribution to the National economy – Rural indebtedness – causes – remedies.

Unit – II: Rural Employment and Unemployment (15 Hours)

Labour Market: Pattern of employment - Disguised unemployment – causes and consequences – population pressure in rural areas – remedies to solve the problems - Migration: Rural migration - Present migration situation.

Unit – III: Rural Industries (15 Hours)

Tiny, Small, Cottage and Village Industries – Employment Opportunities - Importance of rural industries – Role of Rural Entrepreneurs – Problems, Prospects and Challenges – Role of KVIC – Measures to overcome - MSMEs: Role in Economic Development

Unit – IV: Rural Markets (15 Hours)

Co-operative marketing and regulated markets – defects of Agricultural marketing – steps taken to improve Agricultural marketing – Farmers’ market – Farmers’ Producers Group.

Unit – V: Financial Institutions in Rural Areas (15 Hours)

Sources of rural finance - Co-operative banks, commercial banks – Regional Rural Banks – NABARD – rural credits - role of money lenders - Technique of Agricultural financing – Micro Finance

Books for Study

1. Dhingra, I.C., *The Indian Economy*, Sultan Chand and Sons, New Delhi, 2010.
2. Vasant Desai., *Rural Economics Vol.I-VI*, Himalaya Publishing House, .Mumbai, 1988.

Books for Reference

1. Satyasundaram,I., *Rural Development*, Himalaya Publishing House, Mumbai, 1997.
2. Sen,K.K., *Rural Industrialisation*,Sultan Chand and Sons, New Delhi, 1995
3. Agrawal,A.N. KundalLal., *Agricultural Problems of India*, Vikas Publishing House Ltd,
4. New Delhi,1996
5. Sankaran, S., *Indian Economy* (Chennai: Marcham Publications 2000)
6. Sriram and Maheswari., *Rural Development in India*,: Saga Publications India Pvt Ltd, New Delhi, 1995.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code					Title of the Course					Hours	Credits
I	21PEC1ES01B					DSE – 1: ECONOMICS OF RURAL DEVELOPMENT					5	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	3	2	2	3	2	3	2	3	2.4	
CO-2	2	1	2	3	2	2	2	3	2	3	2.2	
CO-3	3	2	1	2	2	3	2	3	2	2	2.2	
CO-4	2	3	2	1	2	3	3	2	2	3	2.3	
CO-5	2	2	2	3	2	3	2	3	2	2	2.3	
Mean overall Score											2.28 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21PEC1AE01	AEC : COMPUTER APPLICATION IN ECONOMICS	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the fundamentals of computer.	K1
CO–2	explain the various menu options of MS Word and PowerPoint.	K2
CO–3	apply data analysis tools to solve various economic problems.	K3
CO–4	analyse economic variables with the help of statistical tools.	K4
CO–5	measure and formulate ideas using data analysis.	K5&K6

Unit – I: Introduction to Computers, MS Word and MS Power Point (12 Hours)

Computers and its components - MS Word: Menus and Toolbars - Main options applicable to Economics -Table creation, Chart, equation, water mark, References: insert footnote, Review - New comment - MS Power Point: All Menu options.

Unit – II: Application of MS Excel in Economics (12 Hours)

Introduction to Spreadsheets: Uses and Features –Worksheet – Menu’s and Toolbars of MS Excel, Calculation operators: Arithmetic operators – Addition - Subtraction – Multiplication – Division - Percentage, Comparison operators - greater than sign - Less than sign, Reference operators - Logical operations: True or False - ‘IF’ condition – Demand analysis: Demand schedule - Demand curve - Calculation of TC, AC and MC - TR, AR and MR.

Unit – III: Statistical tools and Economics in MS Excel (12 Hours)

Arithmetic mean: Calculation of Per capita income, Correlation: calculation by using economic variables (Demand and price), Rank Correlation: Mark sheet preparation - Regression Analysis (simple calculation by using economic variables)

Unit – IV: Data analysis and Matrix with MS Excel (12 Hours)

MS Excel – Data analysis: – Elementary data and research Data Creation – uses - data forms - tools - Validation, Sorting, Filtering and Removing Duplicates. Matrix: Define objects – using Matrix Array functions: Matrix Addition, Matrix Subtraction, Matrix Multiplication, Transposition, Determinants and Matrix Inversion.

Unit – V: Statistical Packages (12 Hours)

Simple statistical calculations by using SPSS - Measure of central tendency - Measures of dispersion – Statistical tests: t-test, F-test and Chi-Square test- (simple calculation by using economic variables)

Books for Study

1. Joyce Cox, Curtis Frye etc, (2007), “*Step by 2007 Microsoft Office System*”, Prentice Hall of India Private Ltd., New Delhi.
2. Peter Weverka: “*Microsoft Office 2016 All-In-One for Dummies*”, John Wiley & Sons, 2016.

Books for Reference

1. *MS Office 2010 in simple steps*, Kogent solutions Team, Dream Tech., 2010
2. Sanders, D H. (1988). *Computer Today*, 3rd Edition McGraw Hill, New York.
3. Rajaraman, V., (1996) *Fundamentals of Computers*, Prentice Hall of India, New Delhi.
4. *Statistics made simple*, K.V.S. Sharma, PHI, 2006
5. Bala Gurusamy, E., *Fundamentals of Computers*, 11th Edition, Tata McGraw Hill Publishing Company, New Delhi, 2011.

Web Sources:

1. www.spss.com
2. www.ats.ucla.edu
3. www.utexas.edu
4. www.indiana.edu
5. [www.hmhc.harvard.edu/projects/ SPSS_Tutorial/spsstut.shtml](http://www.hmhc.harvard.edu/projects/SPSS_Tutorial/spsstut.shtml)

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
I	21PEC1AE01		AEC : COMPUTER APPLICATION IN ECONOMICS						4		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	1	2	2	2	2	3	3	2	2	3	2.2	
CO-2	2	1	3	2	3	3	3	2	3	2	2.4	
CO-3	3	2	1	3	3	2	2	3	3	2	2.4	
CO-4	3	2	2	1	3	2	2	3	3	2	2.3	
CO-5	2	2	3	2	1	2	2	2	3	1	2	
Mean overall Score											2.26 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21PEC2CC05	CORE – 5: ADVANCED MICROECONOMICS–II	6	5

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the recent changes in the alternative theories of firms.	K1
CO–2	compare the Micro and Macro theories of distribution.	K2
CO–3	show the fundamentals of welfare economics and to identify the inability to obtain the optimum welfare in a country.	K3
CO–4	compare the working of partial equilibrium and general equilibrium approach in an economy.	K4
CO–5	assess the theory of risk and uncertainty on risk aversion in the market.	K5

Unit – I: Managerial Theories of the Firm (18 Hours)

Baumol's Sales Revenue Maximization Model; Williamson's Model of Managerial Discretion, Marris' Model of Managerial Enterprise; Full cost pricing; Bain's Limit Pricing Theory; Recent Developments in Limit Pricing Theory: Sylos-Labini's Model, Franco Modigliani's Model, Bhagwati's Model; Behavioristic Model of Cyert and March

Unit – II: Theories of Distribution (18 Hours)

Marginal productivity theory; Euler's product Exhaustion theorem; Elasticity of Technical substitution, Theories of Distribution in Perfect and Imperfect Factor Markets: Determination of Rent, Wages, Interest and Profits; Application of Macro theories of distribution: Ricardo, Marxian, Samuelson, Kalecki, and Kaldor.

Unit – III: Economics of Uncertainty (18 Hours)

Individual Behaviour towards risk, expected utility and certainty - Risk and Risk Aversion - competitive firms under uncertainty - Factor demand under price uncertainty - Economics of Information - Search for New Market models.

Unit – IV: General Equilibrium (18 Hours)

Walrasian General Equilibrium - Partial Equilibrium – 2x2x2 Relationship between relative commodity and factor prices (Stopler - Samuelson Theorem) Relationship between output mix and real factor prices, effect of changes in factor supply in closed economy (Rybczynski theorem) Factor supply in open economy (outsourcing) in production and consumption.

Unit – V: Welfare Economics (18 Hours)

Pigouvian Welfare Economics; Cardinalist, Kaldor - Hicks Compensation Criteria, Pareto Optimality, social welfare function; inability to obtain optimum welfare - Imperfections, market failure, Arrow's theory of social choice.

Books for Study

1. Koutsoyiannis A. (1987) *Modern Microeconomics*, Macmillan Press, London.
2. Ahuja H.L. (2009) - *Advanced Economic Theory Microeconomic Analysis*, S.Chand, New Delhi.

Books for Reference

1. Da Costa., G.C., (1980) *Production, Prices and Distribution*, Tata McGraw Hill New Delhi.
2. Hirshleifer, J and Glazer A, (1997) *Price Theory and Applications*. Prentice Hall of India, New Delhi.
3. Kennedy, Maria John M., (1999) *Advanced Micro Economic Theory*, Himalaya, Publishing House, New Delhi.
4. Stigler, G., (1996) *Theory of Price*, Prentice Hall of India, New Delhi.
5. Salvatore, Dominic (1991), *Micro Economic Theory*, McGraw Hill, New Delhi.
6. Shepherd, R.W. (1970) *Theory of Cost and Production Functions*, Princeton Univ. Press, N.J.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
II	21PEC2CC05		CORE – 5: ADVANCED MICROECONOMICS–II						6		5	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO–1	PO–2	PO–3	PO–4	PO–5	PSO–1	PSO–2	PSO–3	PSO–4	PSO–5		
CO–1	3	2	2	1	1	3	3	2	3	3	2.3	
CO–2	3	1	2	2	1	3	3	1	2	2	2	
CO–3	2	3	2	2	2	3	3	2	2	3	2.4	
CO–4	3	2	2	2	2	3	3	2	2	2	2.3	
CO–5	3	3	3	3	3	3	3	2	3	3	2.9	
Mean overall Score											2.38 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21PEC2CC06	CORE – 6: MATHEMATICAL TOOLS FOR ECONOMICS	6	5

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state and interpret the basic concepts and its application in Economics	K1
CO–2	explain various mathematical tools.	K2
CO–3	apply the concepts of differentiation and integration in cost and revenue functions.	K3
CO–4	analyse the properties of matrices.	K4
CO–5	develop the aptitude for research in social science	K5&K6

Unit – I: Analytical Geometry (18 Hours)

Straight lines – Slope Intercept form- Slope point form - Two point form - intercepts form – General form - Application of Linear Equations in Economics - quadratic equations and solution – applications – Demand and Supply curves – Determination of equilibrium price and quantity.

Unit – II: Differentiation (18 Hours)

Concept of function and types of functions, limit, continuity and derivative- Rules of differentiation- interpretation of revenue, cost, demand and supply functions, Elasticity and their types, Problems in maxima and minima and optimization of firm.

Unit – III: Partial Differentiation (18 Hours)

Rules of partial differentiation and interpretation of partial derivatives – Maxima and Minima, constrained optimization in simple economic problems.

Unit – IV: Integration (18 Hours)

Simple integration – application - Total Cost and Total Revenue, definite integral - Application - consumer's surplus and producer's surplus.

Unit – V: Matrix (18 Hours)

Types of matrix, simple operations in matrices – Addition - Subtraction and Multiplication - Transpose of Matrix and rank of a matrix - Determinant and their basic properties - solution of simultaneous equations using Cramer's rule and Inverse method - Applications of Matrices and determinants in business and economics.

Book for Study

Aggarwal SC, Rana RK, Leena Gupta, *Mathematics for Economists*, VK Global Publications Pvt Ltd, New Delhi, 2020.

Books for Reference

1. Allen, R. G. D. *Mathematical Analysis for Economics*, Macmillan, London, 2008.
2. Chiang, A. C. & Kevin Wainwright. *Fundamental Methods of Mathematical Economics*, McGraw Hill, New Delhi, 2005
3. Weber Jean E, *Mathematical Analysis – Business and Economic Applications*, Harper & Row, New York, 1976.
4. R.C. Joshi C.S. Agarwal, *Mathematics For Students of Economics*, New Academic Publishing Co, Jalandar, 2017.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits
II	21PEC2CC06		CORE – 6: MATHEMATICAL TOOLS FOR ECONOMICS						6		5
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	3	3	3	1	1	2	3	2	3	2.3
CO-2	3	2	2	3	1	1	3	3	2	2	2.2
CO-3	3	3	3	3	2	1	2	3	2	1	2.3
CO-4	3	3	2	3	1	3	3	2	2	1	2.3
CO-5	3	3	2	2	1	2	3	2	3	3	2.4
Mean overall Score											2.3 (High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21PEC2CC07	CORE – 7: MACROECONOMIC PROCESS	5	5

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the concepts and measurement of calculating National Income.	K1
CO–2	understand the various theories used in Macroeconomics for national development.	K2
CO–3	illustrate the circular flow of Income in various sectors.	K3
CO–4	analyse the various fluctuations in business cycle.	K4
CO–5	evaluvate the ratio of investment through multiplier and accelerator in economics.	K5

Unit – I: National Income and Social Accounting (15 Hours)

Circular Flow of income in Two, Three and Four sector economy – Different forms of National Income Accounting - Social accounting, Input – output accounting, Flow of funds accounting and Balance of Payment Accounting – uses of National Income Analysis.

Unit – II: Consumption Function (15 Hours)

Keynes Psychological Law of Consumption – implications of the Law, short run and long - run consumption function - Empirical evidence on Consumption function, Income - consumption relationship – Absolute Income, Relative Income, Permanent Income and Life cycle Hypotheses

Unit – III: Investment Function (15 Hours)

Marginal Efficiency of Investment and level of investment, Marginal Efficiency of Capital and Investments – long - run and short – run - Multiplier - Accelerator.

Unit – IV: IS-LM (15 Hours)

Investment - Saving (IS) - Liquidity and Money Supply (LM) - Factors determines the savings and investment - J.M. Keynes model of IS –LM - pros and cons of IS-LM model.

Unit – V: Business Cycles (15 Hours)

Phases of Business Cycle - Theories of Trade cycle Samuelson, Kaldor, Schumpeter and Hicks.

Books for Study

1. *Keynes and Post Keynesian Economics* (2013) -R.D. Gupta and R.K. Lekhi- Kalyani Publisher- Chennai-17- Tamil Nadu.

2. Ackley, (Revised edition 2008) *Macro Economics Theory and Policy* – Macmillan New York.

Books for Reference

1. Eden, M. and A. T. Peacock (1967). *National Income and Social Accounts* Hutchinson University, New York.
2. Keynes, J. M. (1936). *The General Theory of Employment Interest and Money*: Mac Million, London.
3. Gurley and E.S.Shaw. (1960) *Money in a Theory of Finance* Brookings Institutions.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours/ week	Credits		
II	21PEC2CC07		CORE – 7: MACROECONOMIC PROCESS					5	5		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	2	2	1	2	3	1	3	2	1	1.9
CO-2	2	1	3	2	1	2	3	3	2	3	2.2
CO-3	2	2	3	2	2	3	3	3	3	2	2.5
CO-4	3	3	2	2	3	2	2	2	2	3	2.4
CO-5	2	2	2	2	2	2	2	3	2	2	2.1
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21PEC2SP01	SELF PACED LEARNING: ECONOMICS OF TOURISM	-	2

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the significance of Tourism Management and its promotion	K1
CO–2	discuss the various elements of tourism marketing	K2
CO–3	interpret the important Tourism Organizations in the global market.	K3
CO–4	analyse the social, economic, cultural and political impacts of tourism development.	K4
CO–5	assess the recent trends in domestic and international tourism.	K5

Unit – I: Basic Concepts of Tourism

Meaning- Definition - Concepts and Types of Tourism - Tourism and economic development - Importance of tourism - Sustainable Tourism.

Unit – II: Tourism Product and Tourism Marketing

Tourism products: Attractions, Availability, Accessibility and Amenities - Tourism Marketing - Various types of tourism marketing in India - Impact of Information Technology in tourism development.

Unit – III: Tourism Services

Hotels - Motels - Resorts - Boating Clubs - Conducted /Organized Tours - Package Tour - Insurance - Guides - Tour Operators - Tour Promoters - Medical Tourism - Medical Tourism in India.

Unit – IV: Performance of Tourism

Tourism status in global and national -Socio, Economic, Cultural and Political Impacts of tourism development in India - Programmes in Tourism Development - Infrastructure Development Programme – Integrated Development of Tourism Circuits, Product infrastructure and Destination Development

Unit – V: Tourism Organizations

Role and Functions: United Nations World Tourism Organizations (WTO), Pacific Asia Travel Association (PATA), World Tourism and Travel Council (WTTC), International Hotel Association(IHA), Ministry of Tourism, Government of India, Indian Tourism Development Corporation (ITDC) and Federation of Hotel and Restaurants Association of India(FHRAI)

Books for Study

1. Swain. S.K., and Mishra J.M., (2012), *Tourism Principles and Practices*, Oxford University Press, New Delhi
2. Bhatia. A K(2002), *International Tourism Management*, Sterling Publishers, New Delhi

Books for Reference

1. Biswanath Ghosh(1998), *Tourism and Travel Management*, Vikas, New Delhi,
2. Arun Kumar Shankar (1998), *Action Plan and Priorities in tourism development*, Kaniskha, New Delhi.
3. Vinukumar. S and Chandrasekhar. K.S (2004), *Sustainable Development and Tourism*.
4. Nirmal Kumar. S (1996) , *Problems of Tourism in India -Tourism and Economic Development*, APH, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours	Credits		
II	21PEC2SP01		SELF PACED LEARNING - ECONOMICS OF TOURISM					-	2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	1	2	3	2	3	2	2	2.2
CO-2	2	3	2	2	2	2	3	3	2	2	2.3
CO-3	2	2	2	3	2	3	2	2	2	2	2.2
CO-4	1	3	2	2	2	2	3	2	2	2	2.2
CO-5	2	3	2	2	3	3	2	3	2	2	2.4
Mean overall Score											2.26 (High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21SMS2ES02	DSE –2: (Common Core) HUMAN RESOURCE MANAGEMENT	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the principles of Human resource management.	K1
CO–2	explain the features of Job evaluation techniques, compensation policies and procedures.	K2
CO–3	illustrate various methods of recruitment, training and development.	K3
CO–4	analyze and interpret the factors influencing employee relations and grievance handling mechanisms	K4
CO–5	appraise the employee empowerment in Indian and Global scenario.	K5

Unit – I: Introduction to Human Resource Management (15 Hours)

HRM – Meaning, Nature, Objectives, Scope and Functions. Line and Staff views of HRM, HRM as a profession, Future role of HRM, Department structure of HRM. HR Metrics, HRM in Small and Medium Scale Enterprises and Challenges of HRM at today's context.

Unit – II: Human Resource Planning & Recruitment (15 Hours)

HR planning - Job Analysis – Job Specification and Job description. Recruitment – Sources, characteristics and types. Selection process. Types of tests and interviews. Induction Programme. Promotion and Transfers, Demotions, Separations and Employee Mobility

Unit – III: Strategic HRM & Performance Appraisal (15 Hours)

Role of HRM in Corporate Goal Setting, Levels and Models of Strategic HRM, Applications of Strategic HRM. Performance Appraisal – Purpose, Methods, Factors, Problems. Performance Appraisal and Potential Appraisal. Performance Management Systems.

Unit – IV: Training & Development (15 Hours)

Training – Need, Importance, Steps, Methods. Training needs assessment. Management Development Programme – Significance and methods. Stages of Career Planning and Development, Career counseling and Employee counselling.

Unit – V: Compensation Administration (15 Hours)

Compensation plan – Incentives - individual and group. Benefits – Bonus and Fringe benefits. Developing a sound compensation plan, wage policy, types of wage and Emoluments, Executive compensation – Factors and issues. HRM in Virtual Organisations.

Books for Study

1. Pravin Durai, (2010), *Human Resource Management*, Pearson Education Books, New Delhi.
(Unit-1 & Unit-3- Chapter 16, 19, 23)
2. Prasad L.M, 2017, *Human resource management*, New Delhi, Sultan Chand and Sons,
(Unit 2- Chapter 5 and 7) (Unit 4- Chapter 8,9 and 10) (Unit 5- Chapter 11,15 and 25)

Books for Reference

1. VSP Rao (2002), *Human Resource Management: Text & Cases*, Excel Books, New Delhi.
2. Edwin Flippo (1984), *Personnel Management*, Tata McGraw Hill, New Delhi.
3. Gary Dessler, (2016). *Human Resources Management* (ed.15). Pearson Publisher, United Kingdom
4. Mamoria C. B. & Gankar S. V, (2008), *Human Resource management*, Himalaya Publishing House New Delhi
5. Monappa A and Saiyadain, M (2001), *Personnel management*, Mc-Graw Hill Education, New Delhi
6. DeCenzo, D.A. & Robbins, S.P, (2001), *Fundamentals of Human Resource Management*, John Wiley and Sons, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours	Credits		
II	21SMS2ES02		DSE –2: (Common Core) HUMAN RESOURCE MANAGEMENT					5	4		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	3	3	2	3	3	2	3	3	2	2.7
CO-2	3	3	3	2	2	3	3	3	2	2	2.6
CO-3	3	3	3	3	2	3	3	2	3	3	2.8
CO-4	3	3	2	3	2	3	3	2	2	2	2.5
CO-5	3	3	3	2	2	3	3	3	2	3	2.7
Mean overall Score											2.7 (High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21PSS2SE01	SEC: SOFT SKILLS	4	3

Programme Specific outcomes (PSOs)

After the successful completion of the course, students will learn:

- the dynamics of effective and professional communication skills and put them into daily use
- to write a Professional resume using creative methods of online platforms
- the dynamics of interview skills and GD preparations and presentations in public platforms and present the best of themselves as job seekers
- to understand, analyze and express their personality styles and personal effectiveness in various environments
- to learn and update themselves with the required knowledge in Numerical ability and Test of Reasoning for competitive examinations

Course outcomes (COS)

Upon completion of this course, students will:

- be exposed and trained in various nuances of Soft Skills in a Professional manner responding to the requirements of national and international market
- be able to synthesize the knowledge and practical skills learnt to be personal effective in any managerial positions
- be equipped to construct plans and strategies to work for better human society
- be able to illustrate the problems at work and home and design solutions and maintain a balance of work and home• be able to connect on a continuum and maintain growth and sustainability and creativity in employment that increases in productivity, profit for individuals and the society.

Module 1: Effective Communication & Professional communication

Effective communication: Definition of communication, Process of Communication, Barriers of Communication, Non-verbal Communication. JOHARI Window as a tool of effective communication.

Professional Communication: The Art of Listening, The passage, Kinesthetic, Production of Speech, Speech writing , Organization of Speech, Modes of delivery, Conversation Techniques, Good manners and Etiquettes, Different kinds of Etiquettes, Politeness markers.

Module II. Resume Writing & Interview Skills

Resume Writing: Meaning and Purpose. Resume Formats. Types of s Resume. Functional and Mixed Resume, Steps in preparation of Resume, Model resumes for an IT professional Chronological, Types of interviews, Creative resumes using online platforms

Interview Skills: Common interview questions, Dos and Don'ts for an interview, Attitude, Emotions, Measurement, Body Language, Facial expressions, Different types of interviews, Telephonic interviews, Behavioral interviews and Mock interviews (Centralized).

Module III: Group Discussion & Team Building

Group Discussion: Group Discussion Basics, GD as the first criterion for selecting software testers, Essentials of GD, Factors that matter in GD, GD parameters for evaluation, Points for GD Topics, GD Topics for Practice, Tips for GD participation. Video shooting of GD presentation & Evaluation (Centralized)

Team Building: Characteristics of a team, Guidelines for effective team membership, Pedagogy of team building, Team building skills. Team Vs Group – synergy, Types of synergy, Synergy relates to leadership ,Stages of Team Formation, Broken Square-Exercise, Leadership, Leadership styles, Conflict styles, Conflict management strategies & Exercises

Module IV: Personal Effectiveness

Personal Effectiveness: Self Discovery: Personality, Characteristics of personality, kinds of self, Personality inventory table, measuring personality, intelligence and Exercises

Self Esteem: Types -High & Low self esteem, Ways of proving self esteem, Hypersensitive to criticism, activities. Goal setting: Goal setting process, Decision making process & Exercises.

Stress Management: Identifying stress, Symptoms of stress, Responding to Stress, Sources of stress, Coping with stress and Managing stress.

Module V: Numerical Ability

Average, Percentage, Profit and Loss, Problems of ages, Simple Interest, Compound Interest, , Area, Volume and Surface Area, Illustration, Time and Work, Pipes and Cisterns, Time and Distance, Problems on Trains, Illustrations, Boats and Streams, Calendars and Clocks.

Module VI: Test of Reasoning

Verbal Reasoning: Number series, letter series, coding and decoding, logical sequence of words, Assertion and Reasoning, Data Sufficiency, Analogy, Kinds of relationships.

Non-Verbal Reasoning: Completion of Series, Classification, analogical, Pattern comparison, Deduction of figures out of series, Mirror Reflection Pattern, Hidden figures, Rotation pattern, Pattern completion and comparison, Sense of direction, Blood relations.

Text cum Exercise book

Melchias G, Balaiah John, John Love Joy (Eds), 2018. *Winners in the Making: A primer on soft skills*. SJC, Trichy.

References

- * Aggarwal, R.S. *Quantitative Aptitude*, S.Chand & Sons
- * Aggarwal, R.S. (2010). *A Modern Approach to Verbal and Non Verbal Reasoning*. S.Chand & CO, Revised Edition.
- * Covey, Stephen. (2004). *7 Habits of Highly effective people*, Free Press.
- * Egan, Gerard. (1994). *The Skilled Helper* (5th Ed). Pacific Grove, Brooks/Cole.
- * Khera ,Shiv (2003). *You Can Win*. Macmillan Books , Revised Edition.

Other Text Books

- * Murphy, Raymond. (1998). *Essential English Grammar*. 2nd ed., Cambridge University Press.
- * Prasad, L. M. (2000). *Organizational Behaviour*, S.Chand & Sons.
- * Sankaran, K., & Kumar, M. *Group Discussion and Public Speaking* . M.I. Pub, Agra, 5th ed., Adams Media.
- * Schuller, Robert. (2010) . *Positive Attitudes*. Jaico Books.
- * Trishna's (2006). *How to do well in GDs & Interviews*, Trishna Knowledge Systems.
- ** Yate, Martin. (2005). *Hiring the Best: A Manager's Guide to Effective Interviewing and Recruiting**

Semester	Course Code	Title of the Course	Hours	Credits
II	21PEC2EG01	GENERIC ELECTIVE-1 (WS) : LABOUR ECONOMICS	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	define and explain the content of labour economics and significance of the study.	K1
CO-2	discuss about wage theories and its applications in Indian labour market.	K2
CO-3	illustrate issues of agricultural labour and empowerment programmes.	K3
CO-4	analyze labour issues in industries and the role of trade unions.	K4
CO-5	assess and compile social security measures provided by the governments for the labour force.	K5&K6

Unit – I: Labour Economics and Labour Problems (12 Hours)

Meaning and concepts of labour - Definition, nature , scope and importance of Labour economics- Nature of labour problems – labour market segmentation - Labour in the unorganized sector- Child Labour – International Labour Organization(ILO)

Unit – II: Agricultural Labour in India (12 Hours)

meaning and characteristics of agricultural labour in India casual labour and attached labour and bonded labour – The problems of agricultural labour in India – Government measures to improve the conditions of agricultural labour-Employment in agricultural sector – MGNREGP.

Unit – III: Industrial Labour in India (12 Hours)

Meaning and characteristics of Industrial Labour in India- Employment in organized sector - Labour and labour problems in Service Sector - Meaning and objectives of Trade Unions - trade Union movement in India - Problems and draw backs of the movement in India – Measures to strengthen the Trade Union Movement in India – Industrial disputes: meaning and causes and effects of industrial disputes – prevention of Industrial disputes and the machinery of setting the Industrial Disputes in India – Labour Legislation in India - Indian Labour Laws and practice in relation to international standards.

Unit – IV: Wages (12 Hours)

Wage determination - Wage differentials in India - productivity and wage relationship - non wage component of labour remuneration - types of wages in India – the need for State Regulation of wages - National Wage Policy in India.

Unit – V: Social Security Measures of Labour in India**(12 Hours)**

The meaning and the need for social security measures in India - present status of social security in India-social assistance and social insurance - Social Security Legislations in India: Workmen's Compensation Act, 1923, Employees' State Insurance Scheme Act, 1948, Maternity Benefits Act, 1961 and the Provident Fund Act, 1952 - Labour Welfare Funds – Unemployment insurance – Second National Commission on Labour (1999) Dr.Arjun Sengupta Committee report.

Books for Study

1. Sharma, A.K. (2018). *Labour Economics*, Anmol Publications, New Delhi,
2. B. P. Thyagi (2019). *Economics of Labour and Social Welfare*- Revised Edition, Sage Publication New Delhi.

Books for Reference

1. Dutt, G. (2017). *Bargaining power, wages and Employment: An Analysis of Agricultural Labour Markets in India*, Sage Publication, New Delhi.
2. Lester, R.A. (2018). *Labour Restructuring in India: A Critique of the new Economics of Labour* Macmillan, New Delhi.
3. Venkata Rathnam, C.S. (2017). *Globalization and Labour Management Relations, Dynamics of change* - Sage Publication, New Delhi.
4. Memoria, C.B. (2016). *Labour Problems and Social Welfare in India* – Kitab Mahal, Allahabad.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course								Hours	Credits
II	21PEC2EG01		GENERIC ELECTIVE-1 (WS) : LABOUR ECONOMICS								4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	1	3	3	2	2	3	2.2	
CO-2	2	3	2	1	2	3	3	2	2	3	2.3	
CO-3	1	2	3	2	3	2	3	2	3	2	2.3	
CO-4	1	2	2	3	1	2	3	2	2	3	2.1	
CO-5	1	2	2	2	3	1	3	2	2	3	2.1	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21PEC3CC08	CORE – 8: ECONOMICS OF GROWTH AND DEVELOPMENT	7	6

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the features of underdeveloped countries with the domestic and international aspects of economic growth and development.	K1
CO–2	interpret the theoretical and empirical knowledge using the indicators of economic growth and development.	K2
CO–3	relate the current policies, problems and issues in human resource development.	K3
CO–4	appraise and assess the role and contribution of foreign trade, foreign aid, grants and MNCs in the development of the host nation.	K4&K5
CO–5	adapt subject knowledge into employment oriented ideas for enhancing entrepreneurial ability with ethical values.	K6

Unit – I: Concepts of Economic growth and development (21 Hours)

Concepts and definitions of Economic growth and development; Growth versus Development - indicators of economic growth and economic development – Factors affecting economic growth; Characteristic features of underdeveloped countries.

Unit – II: Growth Models (21 Hours)

Classical: Harrod - Domar Model - Neo-Classical: Solow Model of long run growth
Cambridge: Joan Robinson Model of Capital Accumulation - Kaldor model of growth.

Unit – III: Theories of economic development (21 Hours)

Karl Marx's theory of social change, surplus value, profit and capitalist crisis; Leibenstein's Critical Minimum Effort Thesis; Hirschman's Theory of Unbalanced Growth; Gerschenkron's Great Spurt Theory; Myrdal's Theory of Circular Causation.

Unit – IV: Capital formation and human capital (21 Hours)

Importance of Capital Formation; Role of Agriculture and Industry in economic development; Monetary Policy in economic development; Fiscal Policy in economic development; Population growth and its effects on economic development; Human Capital Formation and its role in economic development.

Unit – V: FDI and MNCs (21 Hours)

Importance of foreign trade in economic development – FDI, FII: role and importance, Debt crisis and its causes; role of foreign capital and aid in economic development; MNCs – role and contribution to economic development.

Books for Study

1. M. L. Jhingan, (2014) *Economics of Planning and Development*, 2019 Edition, Vrinda Publications (P) Ltd.
2. R.K. Lekhi & Joginder Singh, (2014) *The Economics of Development and Planning*, Kalyani Publishers.

Books for Reference

1. Adelman, I. (1961) *Theories of Economic Growth and Development*, Stanford University Press
2. Kindleberger, C. P. (1977) *Economic Development*, McGraw Hill, New York
3. Sen, A K (1990) *Growth Economics*, Harmondsworth
4. Myrdal, G. (1957) *Economic Theory and Underdeveloped Regions*, Duckworth, London
5. Taylor, L. (1979) *Macro Models for Developing Countries*, McGraw Hill, New York
6. Schumpeter, J A. (1949) *The Theory of Economic Development*, Harvard University Press, Cambridge

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
III	21PEC3CC08		CORE-8 ECONOMICS OF GROWTH AND DEVELOPMENT						7		6	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	3	3	1	2	3	3	3	3	1	2.4	
CO-2	3	3	3	1	3	3	3	3	3	2	2.7	
CO-3	3	3	3	2	2	3	3	2	3	3	2.7	
CO-4	2	3	3	2	3	3	3	2	3	2	2.6	
CO-5	3	3	3	3	3	2	3	2	3	3	2.8	
Mean overall Score											2.64 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21PEC3CC09	CORE – 9: MONETARY ECONOMICS	7	6

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	critically examine how the monetary policies and its approaches impact policy issues in local and global perspectives.	K1
CO–2	describe the nature, role, operations and functions of central banks and other monetary institutions.	K2
CO–3	illustrate the relationship between financial and monetary theories.	K3
CO–4	analyse the monetary mechanism or decisions concerning money supply, interest rates and its real effects on the economy.	K4
CO–5	Evaluate the role of monetary economics in socio-economic problems and offer sustainable solutions.	K5

Unit – I: Theory of Money and Prices (21 Hours)

Quantity theories – Fisher’s approach – Cambridge approach - Keynesian theory of money and prices – Gurley and Shaw’s thesis on liquidity of money – Radcliffe - Sayers thesis – Tobin and Shaw’s theory - Patinkin’s monetary theory - Phillips curve.

Unit – II: Milton Friedman’s Quantity Theory (21 Hours)

Friedman’s Quantity theory – Demand Function – Keynesian Theory and Friedman’s quantity Theory: A comparison – Critical evaluation.

Unit – III: Modern Banking Theory (21 Hours)

Henry Simon’s Theory – Contribution to banking theory - Modern portfolio theory - Tobin Separation Theorem - Equilibrium theory - Arbitrage Pricing Theory (APT) - Efficient markets hypothesis.

Unit – IV: Banking System (21 Hours)

Central Banking – Meaning – Functions – Currency Issue – Principles - Credit control - Commercial Banking - Indigenous Banking – Modern Banking – New generations private sector Banks – Nationalization – Performance of Nationalized Banks - Money and Capital markets – Non-Performing Assets(NPA) – Recent trends in banking system.

Unit – V: Monetary Policy (21 Hours)

Monetary Policy: objectives & effectiveness - Role of monetary policy in a developing economy – problems of monetary policy in India – Inflation in India – Demonetization in India.

Book for Study

Gupta, S B. (2005) *Monetary Economics*, S. Chand & Company, New Delhi.

Book for Reference

1. Halm, G N. (1990). *Monetary Theory*. Asia Publishing House, New Delhi.
2. Harris, C.L. (1961). *Money and Banking*. Allyn and Bacon, London.
3. Seth, M. L. (2008). *Monetary Economics*. Lakshmi Narayana Agarwal, Agra.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours/ week	Credits	
III	21PEC3CC09		CORE – 9: MONETARY ECONOMICS						7	6	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	3	2	2	1	2	3	2	3	3	2.4
CO-2	2	2	2	2	1	3	3	2	2	3	2.2
CO-3	1	3	2	2	1	3	3	2	3	2	2.2
CO-4	3	3	2	1	1	3	3	3	2	2	2.3
CO-5	3	3	1	2	1	3	3	3	3	2	2.4
Mean overall Score											2.3 (High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21PEC3CC10	CORE – 10: ECONOMETRICS	7	6

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the concepts of econometrics.	K1
CO–2	explain the concepts of dummy variables.	K2
CO–3	apply the knowledge to formulate the hypothesis.	K3
CO–4	analyse the research problem.	K4
CO–5	estimate economic variables using econometric models.	K5

Unit – I: Fundamentals of Econometrics (21 Hours)

Econometrics – Meaning - Definition – Scope – Objectives – Methodology of Econometrics –Specification - Mathematical Economics and Econometrics - Econometric models – Types of Econometrics - Role of Computer in Econometrics.

Unit – II: Simple Linear Regression Model (21 Hours)

CLRM assumptions - Properties of OLS – Gauss - Markov theorem - Confidence Intervals for the Estimated Parameters - Properties of estimator – Statistical inference - Coefficient of Determination - Prediction with the Simple Regression model.

Unit – III: Multiple Linear Regression Model (21 Hours)

Estimation of parameters, goodness of fit - adjusted R^2 , partial regression coefficients, testing of hypotheses – individual and joint significance: t and F-tests - ANOVA.

Unit – IV: Problems of Single Equation Model (21 Hours)

Problems in OLS Methods: Analysis of residuals – Heteroscedasticity, Autocorrelation and Problem of Multicollinearity - their consequences, detection and remedies - Specification error.

Unit – V: Qualitative Regression Model (21 Hours)

Introducing dummy (independent) variables - nature of dummy variables, variables with two categories and more than two categories, dummy variable trap – intercept Shifters - interaction of two categorical variables.

Books for Study

1. Domodar N. Gujarati, Dawn Porter and Sangeetha Gunasekar, *Basic Econometrics*, Fifth Edition, McGraw Hill/Irwin, 2017.
2. Gujarati, D. (2014). *Econometrics by example*. Palgrave Macmillan.

Books for Reference

1. Greene, William H. *Econometric Analysis*. 6th Edition, Prentice Hall. 2008.
2. Johnston J. and Dinardo, J. *Econometric Methods*. 4th Ed. McGraw-Hill 1997.
3. Ramanathan, Ramu, *Introductory Econometrics with Applications*, 5th edition, 2002, Thomson Asia Pte Ltd., Singapore.
4. Stock, James H., and Mark W. Watson (2006): *Introduction to Econometrics*, Second Edition, (Addison-Wesley Series in Economics).
5. Wooldridge, J., *Introductory Econometrics: A Modern Approach*, 2015, Nelson Education.
6. Earl K. Bowen & Martin K. Starr, *Basic Statistics for Business and Economics*, McGraw Hill International Student Edition.
7. Maddala, G.S., *Introduction to Econometrics*. Willey Publishers (Indian edition).
8. Christopher Dougherty, *Introduction to Econometrics*, Oxford University Press, 3rd edition, Indian edition, 2007.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours/ week	Credits		
III	21PEC3CC10		CORE – 10: ECONOMETRICS					7	6		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	2	1	3	3	2	2	3	2.3
CO-2	1	3	2	1	2	3	3	2	2	3	2.3
CO-3	1	2	3	2	3	2	3	2	3	2	2.3
CO-4	1	2	2	3	1	2	3	2	2	2	2.0
CO-5	2	2	2	2	3	1	3	2	2	3	2.1
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21PEC3ES03A	DSE – 3: AGRICULTURAL ECONOMICS	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the financial problems of agricultural sector.	K1
CO–2	understand the significance of cropping pattern in agricultural economics	K2
CO–3	interpret the role of WTO in Indian agricultural sector.	K3
CO–4	analyse the various channels of marketing of agricultural produce	K4
CO–5	assess and develop the knowledge of natural resources and its policy measures.	K5&K6

Unit – I: Agriculture and economic development (15 Hours)

Definitions and scope of agricultural economics – role of agriculture in economic development of a nation - Mechanization of agriculture – Interdependence between agriculture and industry – Farming types: organic, commercial, co-operative, collective farming.

Unit – II: Cropping Pattern and Irrigation (15 Hours)

Meaning - Importance and Types of cropping pattern - Types of Farming - Inputs of Agricultural produce - Importance of Irrigation - Types and sources of irrigation

Unit – III: Agricultural Finance (15 Hours)

Importance of agricultural finance; rural credit structure - demand, supply, sources and forms; estimation of credit requirement; microfinance, kisan credit cards; role of institutions in agriculture - public and private sector banks; cooperatives, Micro-Finance Institutions (MFIs), SHGs; international financial institutions; principles of agricultural financial management.

Unit – IV: Agricultural Marketing and Price Analysis (15 Hours)

Role and Functions of Marketing - Warehousing and storage - problems in marketing agricultural produce; government interventions including regulated markets, procurement, buffer stock operations, co-operative marketing – UzavarShanthai- market integration; price stabilization measures – CSIP (Consumer Support Price Index) and MSP (Minimum Support Price).

Unit – V: Agriculture and Sustainable Development**(15 Hours)**

Sustainable Agriculture - Green Revolution and its impact – Second Green Revolution - Agricultural policies and programmes for agricultural development - New agricultural policy – Farm law - WTO and Indian agriculture.

Book for Study

Tyagi B.P. (2002), *Agricultural Economics and Rural development*, Jaiprakash.

Books for Reference

1. Dutt and K.P.M. Sundaram (2019) - *Indian Economy*, 73rd edition Sultan Chand & Sons, New Delhi,
2. Dhingra, I.C., (2019) *March of the Indian Economy*: 8th Edition. Heed Publication PVT. Ltd., Hariyana
3. Bhaduri, A. (1984), *The Economic Structure of Backward Agriculture*, Macmillan, Delhi.
4. Bilgrami, S.A.R. (1996), *Agricultural Economics*, Himalaya Publishing House, Delhi.
5. Dandekar V.M (1994), *The Indian Economy 1947-1992, Vol I Agriculture*, Sag
6. Dantwala, M.L. et.al (1991), *Indian Agricultural Development since Independence*, Oxford & IBH, New Delhi.
7. Desai R.G (1998), *Agricultural Economics [models, Problems and policy issue]*, Government of India (1976), Report of the National Commission on Agriculture, New Delhi.
8. Government of India, *Economic Survey* (Annual), New Delhi.
9. Gulati, A. and T. Kelly (1999), *Trade Liberalization and Indian Agriculture*, Oxford University Press, New Delhi.
10. Dr.N.Jeyakumar, Dr.J.Fredrick (2010) *Agricultural Economics*-Vista International Publishing House- Delhi- 110 053.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours	Credits		
III	21PEC3ES03A		DSE – 3: AGRICULTURAL ECONOMICS					5	4		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	1	2	1	2	2	3	2	2	2	1	1.8
CO-2	2	2	3	2	2	2	3	3	2	3	2.4
CO-3	2	2	1	2	2	3	3	3	3	2	2.3
CO-4	3	3	2	2	2	2	2	3	2	3	2.4
CO-5	2	2	2	2	2	2	2	3	2	2	2.1
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21PEC3ES03B	DSE – 3: BEHAVIOURAL ECONOMICS	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the concepts of behavioral economics.	K1
CO–2	discuss the individual decision-making of economic agents.	K2
CO–3	use behavioural insights in policy making.	K3
CO–4	analyse the importance of Inter-temporal choice.	K4
CO–5	assess and develop the strategic thinking choice of architecture.	K5&K6

Unit – I: Introduction to Behavioural Economics (15 Hours)

Nature of behavioural economics - Methodological approach - Origins of behavioral economics – Neo-classical and behavioral approaches to studying economics: rationality, optimization, role of intuition, emotions, beliefs in decision making.

Unit – II: Concepts of Behavioural Economics (15 Hours)

Values: Preferences and Choices - Beliefs: Heuristics and Biases – Decision making under risk and uncertainty- Decision weighting - Mental accounting.

Unit – III: Inter-Temporal Behaviour (15 Hours)

Inter-temporal choice - temporal choice - valuation of delayed consumption preferences for sequences of outcomes - Hyperbolic discounting - Preference reversal.

Unit – IV: Markets and Behavioural Approaches (15 Hours)

Awareness and the willingness as deciding drivers of behavioural change - decision making and behavioural factors - understanding consumer decision - making and using behavioural insights - improving consumer outcomes - use of behavioural insights in policy making.

Unit – V: Strategic Interaction (15 Hours)

Nature of behavioral game theory, mixed strategies, Bargaining - social preferences: Altruism, envy, fairness and justice - Intentions, reciprocity and trust- Limited strategic thinking choice architecture - Nudge, nudge vs. boost, behavioural public policy.

Books for Study

1. Erik Angner (2016), '*A Course in Behavioural Economics*', Palgrave Macmillan
2. Masao Ogaki, Saori C. Tanaka (2017) '*Behavioural Economics Toward a New Economics by Integration with Traditional Economics*', Springer Text in Business and Economics (e-book), Springer Nature Singapore Pvt Ltd.

Books for Reference

1. Alexander Rajko, Rutledge (2012), *Behaviour economics and business ethics- interrelation and application*, London.
2. Steffan Huck (2004), *Advance in understanding strategic behaviour- game theory experiments and bounded rationality*, Palgrave, McMillan, 2004
3. Brunnermeier, Markus, K., and Jonathan A. Parker (2005). "Optimal Expectations" American Economic Review, 95(4): 1092-1118.
4. Sydnor, Justin. 2010. (Over) insuring Modest Risks. American Economic Journal: Applied Economics, 2(4): 177-99

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours		Credits	
III	21PEC3ES03B		DSE – 3: BEHAVIOURAL ECONOMICS					5		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	2	1	3	2	3	2	2	2	3	2.2
CO-2	2	3	2	1	2	3	3	2	2	2	2.2
CO-3	1	2	2	3	2	2	2	3	2	2	2.1
CO-4	1	3	2	2	3	3	2	2	2	2	2.2
CO-5	1	2	3	2	2	2	3	2	3	3	2.3
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21PEC3EG02	GENERIC ELECTIVE – 2 (BS) : MANAGERIAL ECONOMICS	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	remember the basic concepts of managerial economics.	K1
CO–2	understand the importance of managerial skills in the real business world.	K2
CO–3	apply the knowledge of managerial skills in business to resolve the real business problems faced by the entrepreneurs.	K3
CO–4	analyse the psychology of the consumers at the time of consumption.	K4
CO–5	evaluate and compile new ideas in the field of marketing using pricing techniques.	K5&K6

Unit – I: Nature and Scope of Managerial Economics (12 Hours)

Definitions of economics and managerial economics - nature, scope and functions of managerial economics – uses and limitations of managerial economics.

Unit – II: Demand Analysis (12 Hours)

Meaning - Demand and its determinants - Factors involved in Demand forecasting - methods of demand forecasting.

Unit – III: Production Analysis (12 Hours)

Meaning – Production and Production function - Law of variable proportions – Cost: Total, Average and Marginal cost – Revenue: Total, Average and Marginal revenue - Breakeven Point and the margin of safety.

Unit – IV: Pricing Techniques (12 Hours)

Full cost pricing - marginal pricing - skimming pricing - penetrating pricing - target pricing - peak load pricing - going rate pricing – cyclical pricing - customary pricing – product - line pricing - pricing of joint product, new product.

Unit – V: Profit & Profit Management (12 Hours)

Meaning and nature of Profit - Accounting profit and Economic profit - Theories of profit: Risk theory of profit, Uncertainty bearing theory of profit, Dynamic theory of profit, Innovation theory of profit and Marginal productivity theory of profit.

Book for Study

S. Sankaran – *Managerial Economics*, Margham Publications, Madras, 2013.

Books for Reference

1. Ahuja H.L. (2008) - *Principles of Micro Economics* (21st Revised Edition), A New look at Economic Theory, S.Chand, New Delhi.
2. P .L.Mehta: *Managerial Economics - Analysis, problems and causes*. Sultan Chand & Sons, 1992.
3. R.L. Varshney and K.L.Maheswari: *Managerial Economics*. Sultan Chand & Sons, 1987.
4. Joel Dean: *Managerial Economics*. Prentice Hall of India, 1987.
5. Mote, Paul and Gupta: *Managerial Economics Concepts and cases*, 1979.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
III	21PEC3EG02		GENERIC ELECTIVE-2 (BS) : MANAGERIAL ECONOMICS						4		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	1	2	2	2	3	3	3	2	2	2	2.2	
CO-2	2	3	2	1	2	2	3	3	2	2	2.2	
CO-3	3	2	2	2	2	2	3	3	2	2	2.3	
CO-4	1	2	2	3	1	2	3	2	2	3	2.1	
CO-5	1	2	2	2	3	2	3	2	2	3	2.2	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21PEC4CC11	CORE – 11: INTERNATIONAL ECONOMICS	7	6

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the importance of internal and international trade.	K1
CO–2	interpret the impact of financial institutions in the global market.	K2
CO–3	illustrate the importance of terms of trade.	K3
CO–4	analyze the important theories of international trade.	K4
CO–5	assess and integrate the impact of trade policies both at national and international level.	K5&K6

Unit – I: Trade and Trade Theories (21 Hours)

Subject matter and importance of international economics - Internal trade and International trade – International trade and economic development – Theories of Trade: Adam Smith, Ricardo, Heberler and Heckscher-Ohlin

Unit – II: Gains from Trade (21 Hours)

Gains from Trade – their measurement and distribution - Trade as an engine of economic growth - Terms of Trade: Types of Terms of Trade - Doctrine of Reciprocal Demand: importance and limitations in the theory of trade.

Unit – III: Free Trade Vs Protection (21 Hours)

Free Trade: Arguments for and against free trade - Protectionism: Arguments for and against Protectionism - Methods of Trade Restriction: Tariff and non-tariff trade barriers - Types of tariffs and quotas - Free Trade and policy of tariffs in relation to economic growth with special reference to India - Concept of Optimum Tariff – Dumping – Anti dumping – Anti-Dumping Policy – Countervailing Duties.

Unit – IV: Balance of Trade and Balance of Payments (21 Hours)

Concept and components of Balance of trade and Balance of payments - Structure of Balance of Payments - Equilibrium and disequilibrium in balance of payments - Measures to correct BOP disequilibrium - International financial flows: Measures to correct deficit in the balance of payments - Relative merits, demerits and limitations of devaluation.

Unit – V: Foreign Trade and International Institutions (21 Hours)

Recent Export and Import Policy of India- Concept and Implications of Foreign Trade Multiplier- IMF, World Bank and GATT/ WTO – MNC: Financial inflow, capital inflow- FDI, FII, Technology Transfer- SAARC, ASEAN, NAFTA, EU and BRICS.

Books for Study

1. Dr. Francis Cherunilam (2011), *International Economics*, Tata McGraw Hill Education Private Limited, New Delhi
2. K C Rana and K N Verma (2007) *International Economics*, Vishal Publishing Co, Delhi.

Books for Reference

1. M L Jhingan (2003) *International Economics*, Viruntha Publisher, New Delhi
2. V Joshi and I M D Little (1998) *India's Economic Reforms 1999-2001*, OUP, New Delhi
3. S J Patel (1995) *Indian Economy towards the 21st Century*, University Press Ltd, India.
4. J Bhagawati (1981), *International Trade Selected Readings*, Cambridge University Press mass.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits
IV	21PEC4CC11		CORE – 11: INTERNATIONAL ECONOMICS						7		6
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO–1	PO–2	PO–3	PO–4	PO–5	PSO–1	PSO–2	PSO–3	PSO–4	PSO–5	
CO–1	2	2	1	3	2	3	2	2	2	3	2.2
CO–2	2	3	2	1	2	3	3	2	1	2	2.1
CO–3	2	2	2	3	2	2	2	3	2	2	2.2
CO–4	1	3	2	2	3	3	2	2	3	2	2.3
CO–5	1	2	3	2	2	2	3	2	3	3	2.3
Mean overall Score											2.22 (High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21PEC4CC12	CORE – 12: RESEARCH METHODOLOGY	6	6

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	remember the basic concepts of research in economics.	K1
CO–2	understand the research process with the principal activities, skills and ethics.	K2
CO–3	apply the knowledge of research in the society to solve the real problems faced by the people.	K3
CO–4	analyse the research problem and recommend solutions.	K4&K5
CO–5	create new ideas in thesis writing using the mechanics of research report.	K6

Unit – I: Introduction to Social Science Research (18 Hours)

Meaning and definitions of research - Pure research and applied research - Historical research and scientific research - meaning of social science research: Subject matter - Importance and problems in social science research, Objectivity in social science research - Case study method.

Unit – II: Research Problem and Research Design (18 Hours)

Research problem: components, selection, sources and techniques involved in a research problem - Research design: definition, components, features, characteristics of a good research design, steps involved in research design- role of review of literature.

Unit – III: Hypothesis (18 Hours)

Research Hypothesis: Meaning, sources, formulation, concepts, importance and types of hypothesis – Importance of hypothesis in social science research - Characteristics of a good hypothesis - Statistical hypothesis: Null and Alternative - Procedure for testing hypothesis - Type-I and Type-II errors – Concept of standard error.

Unit – IV: Data Collection and Sampling Techniques (18 Hours)

Primary and Secondary Data, merits and demerits of primary data - Methods of collecting primary data: Schedule method-Observation method - Interview Method - Questionnaire method - Scales of measurement: nominal, ordinal, interval, ratio - Qualities of a good questionnaire. Secondary data: - merits and demerits - sources of secondary data: published, unpublished and E-sources - Field survey logistics – Challenges and solution - Census method and Sampling method - Methods of sampling: Random sampling - simple and stratified - Judgment method – Quota sampling, multistage sampling method. Sampling and non sampling errors - Methods of reducing both - Sampling size - Sampling design.

Unit –V: Analysis and Research Report Writing**(18 Hours)**

Meaning of analysis and interpretation - Editing - Coding – Classification of data – Data entry - Statistical and Mathematical tools of analysis – SPSS - Meaning and significance of a Research report - Research report writing: steps and layout.

Book for Study

C.R.Kothari and GauravGarg (2019): *Research Methodology*, VishwaPrakasan, New Delhi.

Book for Reference

1. Dhondyal and Wells (2001). *A Guide to Research Methodology*, New Delhi.
2. Wilkinson and Bandarkar (1989). *Methodology and Techniques of Social Research*. Himalaya, New Delhi.
3. P.V.Young (1987). *Scientific Social Surveys and Research*: Asia Publishing House, New Delhi.
4. C.T.Kurien (1985). *A Guide to Research in Economics*, Rainbow, New Delhi.
5. Goode and Hatt (1983). *Methods in Social Research*, McGraw-Hill, New Delhi.
6. B.N.Gosh (1970). *Research Methods in Social Science* - Sterling, New Delhi.
7. M.H.Gopal (1970). *An Introduction to Research Procedures in Social Sciences*: Asia Publishing House- New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
IV	21PEC4CC12		CORE – 12: RESEARCH METHODOLOGY						6		6	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	2	2	3	2	2.3	
CO-2	2	3	2	3	2	3	3	2	2	1	2.3	
CO-3	3	2	2	2	2	2	2	3	2	2	2.2	
CO-4	3	2	2	2	1	2	3	3	2	2	2.2	
CO-5	1	3	2	2	2	2	2	2	2	3	2.1	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21PEC4CC13	CORE – 13: INDUSTRIAL ECONOMICS	6	6

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the important theories concerning organisation of industries and the behaviour of firms within those industries.	K1
CO–2	explain the pricing behaviour by the firms and its welfare implications on the society both domestic and international.	K2
CO–3	relate the different market structures their price and output relations and its implications on the society.	K3
CO–4	analyse and criticize how the firms’ actions affect the consumer welfare, environment and intervention of the government.	K4&K5
CO–5	formulate models which could be applied in research for finding solutions to real life problems and environmental issues.	K6

Unit – I: Framework of Industrial Economics (18 Hours)

Concept and Organization of a Firm - ownership, control and objectives of the firm; Mergers and Acquisitions: types, effects and problems- diversification-Strategic Alliance.

Unit – II: Theories of Industrial Location (18 Hours)

Industrial location - general determinants – Theories: Weber and Sargent Florence; Industrial Productivity – concept and measurement – Tools of industrial productivity – Productivity trends.

Unit – III: Industrial Finance (18 Hours)

Importance of industrial finance - role, nature and sources of industrial finance – Financial statement – Balance sheet, Profit and Loss account; assessment of financial soundness, ratio analysis

Unit – IV: Indian Industrial Growth (18 Hours)

Classification of Industries; large, medium and small scale industries - Role of Public and private sector; MNCs and transfer of technology; Regional industrial growth in India; Industrial economic concentration and remedial measures, Competition Act.

Unit – V: Project Appraisal/Evaluation Method & Principles (18 Hours)

Project identification – Project selection – Project formulation – Project Appraisal - Net Present Value (NPV) and Internal Rate of Return (IRR) - criteria-balancing private and social returns; PERT and CPM with case studies.

Books for Study

1. Khanna O P. (1999) *Industrial Engineering and Management*: Dhana Pvt Rai Publications (P) Ltd, New Delhi.
2. S.C.Kutchal (1980) *Industrial Economy of India* (5th Edition), Chaitanya Publishing House, Allahabad

Book for Reference

1. Ahluwalia, I J. (1985). *Industrial Growth in India* OUP, New Delhi.
2. Barthwal, R R. (1985). *Industrial Economics*, Wiley Eastern, New Delhi.
3. Cherunilam, F. (1994). *Industrial Economics: Indian Perspective*: Himalaya Publishing House, Mumbai.
4. Desai, B. (1999). *Industrial Economy India*, Himalaya Publishing House, Mumbai.
5. Divine, P J. and R M Jones (1976). *An Introduction to Industrial Economics*: George Allen and Unpin Ltd., London.
6. Hay D J Morris (1979). *Industrial Economics; Theory and Evidence*, OUP, New Delhi.
7. Singh, A. and A N Sadhu (1988). *Industrial Economics*, Himalaya Publishing House, Bombay.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
IV	21PEC4CC13	CORE – 13: INDUSTRIAL ECONOMICS									6	6
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	1	3	3	2	3	3	2.4	
CO-2	2	3	1	2	3	3	3	2	3	3	2.5	
CO-3	3	3	1	2	2	3	3	3	3	2	2.5	
CO-4	3	3	2	2	3	3	3	2	3	3	2.7	
CO-5	3	2	3	2	2	2	3	3	3	3	2.6	
Mean overall Score											2.54	(High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21PEC4ES04A	DSE – 4: OPTIMIZATION TECHNIQUES IN ECONOMICS	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe various operations research concepts suitable for finding optimal solutions in economics.	K1
CO–2	relate various operations research models to solve business problems.	K2
CO–3	apply the techniques of maximizing profit in real market scenario	K3
CO–4	analyse cost concepts to ensure cost effectiveness.	K4
CO–5	measure simulation techniques for business forecasting.	K5

Unit – I: Nature and Scope of Operations Research (15 Hours)

Operations Research: origin, scope, techniques, uses, limitations of operations research

Unit – II: Linear Programming (15 Hours)

Linear programming - Standard LPP – Graphical method - Simplex method, Big M method.

Unit – III: Transportation Problem (15 Hours)

Transportation problem- North–West Corner rule -Vogel’s Approximation method - Row Minima - Column Minima methods - Least cost method - Initial basic feasible solution only.

Unit – IV: Assignment Problem (15 Hours)

Assignment problem – Meaning - Hungarian method of solving assignment problems.

Unit – V: Simulation Techniques (15 Hours)

Simulation techniques - Simulation in economic forecasting – Simulation problems.

Book for Study

Mariappan, (2017) *Operational Research Methods and Application*, Rainbow Printers, New Delhi.

Book for Reference

1. Swarap, (2017). *Operational Research*, Milestone Publication, New Delhi.
2. Kapoor V.K. (2018). *Operational Research Techniques for Management*. Sultan Chand and Sons, New Delhi.
3. Joseph, (2017). *Business Statistics and Operation Research* .Learn Tec Press, New Delhi.
4. Paneerselvam.P (2018). *Operation Research*.Prentice Hall of India, New Delhi.

5. Sing Parashar and Singh, (2018). *Econometrics and Mathematical Economics*. S. Chand, New Delhi.
6. Damodar Gujarati N. (2018). *Basic Econometrics*. McGraw Hill, International editors, New York.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course					Hours	Credits			
IV	21PEC4ES04A	DSE – 4: OPTIMISATION TECHNIQUES IN ECONOMICS					5	4			
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	2	1	3	3	2	2	3	2.2
CO-2	2	3	2	1	2	3	3	2	2	3	2.3
CO-3	1	2	3	2	3	2	3	2	3	2	2.3
CO-4	1	2	2	3	1	2	3	2	2	3	2.1
CO-5	1	2	2	2	3	1	3	2	2	3	2.1
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21PEC4ES04B	DSE – 4: INFORMATION ECONOMICS	5	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the basics of information in the domain of economics as an economic good.	K1
CO–2	associate the knowledge of various theories of economics related to information symmetry and asymmetry with real life situations.	K2
CO–3	illustrate the major problems in asymmetric information and its impact on economic and environmental development.	K3
CO–4	analyse and evaluate the role of Information and Communication Technology (ICT) in Economics.	K4&K5
CO–5	integrate the knowledge gained from Information Economics and ICT for career prospects with ethical commitment.	K6

Unit – I: Introduction to Information Economics (15 Hours)

Information economics: meaning and definition - Relationship between information and economics – information economy – symmetrical and asymmetrical information – value of information in making choices – various sources of information.

Unit – II: Information as an Economic Good (15 Hours)

Information as an Economic good - Properties of information that make it a good – supply of information – demand for information – cost of information – price of information – theory of Public Good: Information as a public good - Role of mass media, role of government, Telecommunication industry and Broadcast industry.

Unit – III: Theories of Asymmetric Information (15 Hours)

Types of Asymmetric information - Moral hazard, Adverse selection; Market signalling, Screening. George Akerlof's Model - Market for Lemons, Michael Spence's Model - Market Signalling, Joseph Stiglitz's Theory of Screening - Asymmetric information - Deadweight loss - market failure - Methods of reducing asymmetric information.

Unit – IV: Information System (15 Hours)

Definition of an Information System - Components of an Information System: hardware, software, data, procedures - people and feedback - collection, processing, storing and distribution of information - Production information – Distribution information – Transactions information – National Policy Planning and Evaluation – Decision-making – Education – Health – Research – Development.

Unit – V: Information and Communication Technology in Economics (15 Hours)

Computer industry - Information and Communication Technology – meaning and scope - Application of Information and Communication Technology in economics – online information sharing – E-commerce: online economic transactions – online business – digital revolution.

Book for Study

1. Kenneth Arrow (1984), *Economics of Information*, Blackwell Publisher
2. Ines Macho-Stadler (2001), *An Introduction to the Economics of Information: Incentives and Contracts*, OUP Oxford.

Book for Reference

1. Dr. A. K. Saini (2007), *Information Systems For Managers*, Gullybaba Publishing House, Red Globe Press
2. Brian Hillier (1997), *The Economics of Asymmetric Information*, Palgrave Macmillan
3. Urs Birchler Monika Büttler (2007), *Information Economics*, Routledge
4. Ian Molho (1997), *The Economics of Information: Lying and Cheating in Markets and Organizations*, Oxford
5. Babe, Robert E. (Ed.) (1994), *Information and Communication in Economics*, Springer Netherlands

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours/ week	Credits	
IV	21PEC4ES04B		DSE – 4: INFORMATION ECONOMICS						5	4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	2	2	1	2	3	2	1	3	3	2.1
CO-2	3	3	2	2	2	3	3	2	2	3	2.5
CO-3	3	3	3	3	3	3	2	2	2	3	2.7
CO-4	3	2	3	2	2	2	3	3	3	2	2.5
CO-5	3	3	3	3	3	2	3	3	3	3	2.9
Mean overall Score											2.54 (High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21PEC4PW01	PROJECT	6	5

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the various concepts and framework of the project.	K1
CO–2	develop the knowledge through various review of literature for concerned Project.	K2
CO–3	understand the theoretical background and the profile of the study area.	K3
CO–4	compare and evaluate the various methods and techniques of data collection and analysis.	K4&K5
CO–5	design the final Project report.	K6

Unit – I: Introduction and Outline of the Project (18 Hours)

Introduction - Statement of the Problem - Scope – Objectives – Methodology – Hypothesis - Importance - Limitations

Unit – II: Concepts and Review of Literature (18 Hours)

Concepts - related review of literature - various sources of literature - viz., publications through various journals, books - economic surveys - RBI Bulletins – Government Reports

Unit – III: Profile of the Study Area (18 Hours)

Profile: Geographical details - Company details - Important Places - Map

Unit – IV: Sampling Technique and Methods of Data collections (18 Hours)

Sampling technique and its types - Primary data collection and its methods - Secondary data collection and its methods.

Unit – V: Data Analysis and interpretations (18 Hours)

Significance of SPSS – MS Excel for data analysis - Report writing: findings, suggestions and conclusion – Appendix - Bibliography - Questionnaire

Book for Study

C R Kothari (2004) - *Research Methodology* - New Age International (P) Limited, Publishers, Ansari Road, Daryaganj, New Delhi – 110 002.

Books for Reference

1. *Economic Survey*, Government of India.
2. RBI Bulletin
3. Government Reports.

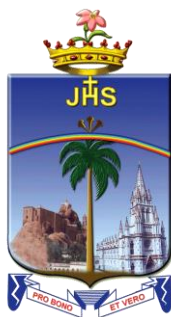
4. Published and unpublished Books, Journals, etc.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits
I	21PEC4PW01		PROJECT						6		5
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	1	2	2	2	2	3	2	2	2	1	1.9
CO-2	2	2	3	2	1	2	3	3	2	3	2.3
CO-3	2	2	2	2	2	3	3	3	3	2	2.4
CO-4	3	3	2	2	1	2	2	2	2	3	2.2
CO-5	2	2	3	2	2	2	2	3	2	2	2.2
Mean overall Score											2.2 (High)

B.A. ECONOMICS
LOCF SYLLABUS – 2021

SCHOOLS OF EXCELLENCE
WITH CHOICE BASED CREDIT SYSTEM (CBCS)



DEPARTMENT OF ECONOMICS
SCHOOL OF MANAGEMENT STUDIES
ST.JOSEPH'S COLLEGE (AUTONOMOUS)

Special Heritage Status Awarded by UGC
Accredited at A⁺⁺ Grade (IV Cycle) by NAAC
College with Potential for Excellence by UGC
DBT-STAR & DST-FIST Sponsored College
Tiruchirappalli - 620 002, Tamil Nadu, India

SCHOOLS OF EXCELLENCE WITH CHOICE BASED CREDIT SYSTEM (CBCS) UNDERGRADUATE COURSES

St. Joseph's College (Autonomous), a pioneer in higher education in India, strives to maintain and uphold the academic excellence. In this regard, it has initiated the implementation of five "Schools of Excellence" from the academic year 2014 – 15, to meet and excel the challenges of the 21st century.

Each School integrates related disciplines under one roof. The school system enhances the optimal utilization of both human and infrastructural resources. It also enhances academic mobility and enriches employability. The School system preserves the identity, autonomy and uniqueness of every department and reinforces Student centric curriculum designing and skill imparting. These five schools adhere to achieve and accomplish the following objectives.

Optimal utilization of resources both human and material for the academic flexibility leading to excellence.

Students experience or enjoy their choice of courses and credits for their horizontal mobility.

The existing curricular structure as specified by TANSCH and other higher educational institutions facilitate the Credit-Transfer Across the Disciplines (CTAD) - a uniqueness of the choice based credit system.

Human excellence in specialized areas

Thrust in internship and / or projects as a lead towards research and

The multi-discipline nature of the School System caters to the needs of stake-holders, especially the employers.

Credit system:

Weightage to a course is given in relation to the hours assigned for the course. Generally one hour per week has one credit. For viability and conformity to the guidelines credits are awarded irrespective of the teaching hours. The credits and hours of each course of a programme is given in the table of Programme Pattern. However, there could be some flexibility because of practical, field visits, tutorials and nature of project work.

For UG courses, a student must earn a minimum of 130 credits as mentioned in the programme pattern table. The total number of minimum courses offered by the Department is given in the Programme Structure.

OUTCOME-BASED EDUCATION (OBE)

LEARNING OUTCOME-BASED CURRICULUM FRAMEWORK (LOCF)

OBE is an educational theory that bases each part of an educational system around goals (outcomes). By the end of the educational experience, each student should have achieved the goal. There is no single specified style of teaching or assessment in OBE; instead, classes, opportunities and assessments should all help the students achieve the specific outcomes

Outcome Based Education, as the name suggests depends on Outcomes and not Inputs. The outcomes in OBE are expected to be measurable. In fact each Educational Institute can state its own outcomes. The ultimate goal is to ensure that there is a correlation between education and employability

Outcome –Based Education (OBE): is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve, stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels.

Some important aspects of the Outcome Based Education

Course: is defined as a theory, practical or theory cum practical subject studied in a semester.

Course Outcomes (COs): are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course. Generally three or more course outcomes may be specified for each course based on its weightage.

Programme: is defined as the specialization or discipline of a Degree.

Programme Outcomes (POs): Programme outcomes are narrower statements that describe what students are expected to be able to do by the time of graduation. POs are expected to be aligned closely with Graduate Attributes.

Programme Specific Outcomes (PSOs):

PSOs are what the students should be able to do at the time of graduation with reference to a specific discipline.

Programme Educational Objectives (PEOs): The PEOs of a programme are the statements that describe the expected achievement of graduates in their career, and also in particular, what the graduates are expected to perform and achieve during the first few years after Graduation.

Some important terminologies repeatedly used in LOCF.

Core Courses (CC)

A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course. These are the courses which provide basic understanding of their main discipline. In order to maintain a requisite standard certain core courses must be included in an academic program. This helps in providing a universal recognition to the said academic program.

Discipline Specific Elective Courses (DSE)

Elective course may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective (DSE). These courses offer the flexibility of selection of options from a pool of courses. These are considered specialized or advanced to that particular programme and provide extensive exposure in the area chosen; these are also more applied in nature.

DSE: Four courses are offered, two courses each in semester V and VI

Note: To offer **one DSE**, a minimum of two courses of equal importance / weightage is a must.

A department with two sections must offer two courses to the students.

One DSE Course may be offered as interdisciplinary course among the departments in a School (Common Core Course) at the PG level.

Generic Elective Courses

An elective course chosen generally from an **unrelated discipline/subject**, with an intention to seek exposure is called a Generic Elective.

Generic Elective courses are designed for the students of **other disciplines**. Thus, as per the CBCS policy, the students pursuing particular disciplines would have to opt Generic Elective courses offered by other disciplines, as per the basket of courses offered by the college. The scope of the Generic Elective (GE) Courses is positively related to the diversity of disciplines in which programmes are being offered by the college.

Two GE Courses are offered one each in semesters V and VI.

(open to the students of other Departments)

The Ability Enhancement Courses (AEC)

“AECC” are the courses based upon the content that leads to Knowledge enhancement; Communicative English, Environmental Science. These are mandatory for all disciplines.

AECC-1: Communicative English: It is a 4 credits compulsory course offered by the Department of English in the first semester of the Degree Programme, Classes are conducted outside the regular class hours.

AECC-2: Environmental Science: is a 2 credit course offered as a compulsory course during the second semester by the Department of Human Excellence.

Skill Enhancement Courses (SECs)

These courses focus on developing skills or proficiencies in the student, and aim at providing hands-on training. Skill enhancement courses can be opted by the students of any other discipline, but are highly suitable for students pursuing their academic programme.

These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

There are four courses under this category

SEC-1 is offered in semester **III as a course Within the Department (WD)** it is More of main discipline related skills.

SEC-2 is offered in semester **IV as a course Between schools (BS)** Offered to students of other schools (Except the school offering the course)

SEC-3 is offered in semester **V as a compulsory course on Soft Skills** offered by the Department of Human Excellence, common to all the students of UG programme.

SEC-4 is offered in semester **VI as a course Within School (WS)** Open to all the students within the same school (including the students of the parent department)

Self-paced Learning: It is a course for two credits. It is offered to promote the habit of independent/self learning of Students. Since it is a two credit course, syllabus is framed to complete within 45 hours. It is not taught in the regular working hours.

Field Study/Industrial Visit/Case Study: It has to be completed during the fifth semester of the degree programme. Credit for this course will be entered in the fifth semester's marks statement.

Internship: Students must complete internship during summer holidays after the fourth semester. They have to submit a report of internship training with the necessary documents and have to appear for a viva-voce examination during fifth semester. Credit for internship will be entered in the fifth semester's mark statement.

Comprehensive Examinations: A detailed syllabus consisting of five units to be chosen from the courses offered over the five semesters which are of immense importance and those portions which could not be accommodated in the regular syllabus.

Extra Credit Courses: In order to facilitate the students, gaining knowledge/skills by attending online courses MOOC, credits are awarded as extra credits, the extra credit are at three semesters after verifying the course completion certificates. According to the guidelines of UGC, the students are encouraged to avail this option of enriching their knowledge by enrolling themselves in the Massive Open Online Courses (MOOC) provided by various portals such as SWAYAM, NPTEL and etc.

Undergraduate Programme:

Programme Pattern:

The Under Graduate degree programme consists of **FIVE** vital components. They are as follows:

Part -I : Languages (Tamil / Hindi / French / Sanskrit)

Part-II : General English

Part-III : Core Course (Theory, Practicals, Discipline Specific Electives, Compulsory and Optional Allied courses, Project, Self paced courses, Internship , Comprehensive Examinations and field visit /industrial visit/Case Study)

Part-IV: Value Education, Ability Enhancement Courses, Skill Enhancement Courses/ Soft Skills , Generic Electives/ National Cadet Corps etc.

Part-V: Outreach Programme (SHEPHERD).

Ability Enhancement Courses (AEC): There are two Ability Enhancement courses viz AECC and SEC.

Value Education Courses:

There are four courses offered in the first four semesters for the First & Second UG Programme.

Course Coding

The following code system (11 alphanumeric characters) is adopted for Under Graduate courses:

21	UXX	N	N	XX	NN/NNX
Year of Revision	UG Department Code	Semester number	Part specification	Part Category	Running number/with choice

N:- Numeral X :- Alphabet

Part Category

GL - Languages (Tamil / Hindi / French / Sanskrit)

GE - General English

CC - Core Theory; CP- Core Practical

WS- Workshop

SP- Self Paced Learning

IS- Internship

FV- Field visit

CE- Comprehensive Examination

PW- Project Work& viva-voce

Electives Courses

ES – Department Specific Electives

EG- Generic Electives

Allied Courses

AC - Allied Compulsory

AO- Allied Optional

EC - Additional Core Courses for Extra Credits (If any)*

Ability Enhancement Courses

AE – Ability Enhancement Compulsory Courses; Bridge Course and Environment Science

SE – Skill Enhancement (WD), (BS), (WS) and Soft skills

VE - Value Education/ Social Ethics/Religious Doctrine

OR – Outreach SHEPHERD & Gender Studies (Outreach)

SU - AICUF / Nature Club / Fine Arts / NCC / NSS /etc. (Service Unit)

CIA AND SEMESTER EXAMINATION

Continuous Internal Assessment (CIA):

Distribution of CIA Marks	
Passing Minimum: 40 Marks	
Library Referencing	5
3 Components	35
Mid-Semester Test	30
End-Semester Test	30
Total CIA	100

MID-SEM & END – SEM TEST

Centralised – Conducted by the office of COE

1. Mid-Sem Test & End-Sem Test: (2 Hours each); will have Objective and Descriptive elements; with the below mentioned question pattern PART-A; PART-B; PART-C and PART D.

2. One of the CIA Component II/III for UG & PG will be of 15 marks and compulsorily a online objective multiple choice question type.

3. The online CIA Component must be conducted by the Department / faculty concerned at a suitable computer centre.

4. The 7 marks of PART-A of Mid-Sem and End-Sem Tests will comprise only: OBJECTIVE MULTIPLE CHOICE QUESTIONS.

5. The number of hours for the 5 marks allotted for Library Referencing/ work would be 30 hours per semester. The marks scored out of 5 will be given to all the courses (Courses) of the Semester.

6. English Composition once a fortnight will form one of the components for UG general English

Duration of Examination must be rational; proportional to teaching hours 90 minute-examination / 50 Marks for courses of 2/3 hours/week (all Part IV UG Courses) 3-hours examination for courses of 4-6 hours/week.

Knowledge levels for assessment of Outcomes based on Blooms Taxonomy

S. No.	Level	Parameter	Description
1	K1	Knowledge/Remembering	It is the ability to remember the previously learned
2	K2	Comprehension/Understanding	The learner explains ideas or concepts
3	K3	Application/Applying	The learner uses information in a new way
4	K4	Analysis/Analysing	The learner distinguishes among different
5	K5	Evaluation/Evaluating	The learner justifies a stand or decision
6	K6	Synthesis /Creating	The learner creates a new product or point of view

WEIGHTAGE of K – LEVELS IN QUESTION PAPER

(Cognitive Level) K- LEVELS	Lower Order Thinking			Higher Order Thinking			Total %
	K1	K2	K3	K4	K5	K6	
SEMESTER EXAMINATIONS	15	20	35	30			100
MID / END Semester TESTS	12	20	35	33			100

QUESTION PATTERN FOR SEMESTER EXAMINATION

SECTION	MARKS
SECTION-A (No choice ,One Mark) THREE questions from each unit (15x1 =15)	15
SECTION-B (No choice ,2-Marks) TWO questions from each unit (10x2 =20)	20
SECTION-C (Either/or type) (7- Marks) ONE question from each unit (5x7 =35)	35
SECTION-D (3 out of 5) (10 Marks) ONE question from each unit (3x10 =30)	30
Total	100

BLUE PRINT OF QUESTION PAPER FOR SEMESTER EXAMINATION							
DURATION: 3. 00 Hours.				Max Mark : 100			
K- LEVELS	K1	K2	K3	K4	K5	K6	Total Marks
SECTIONS							
SECTION-A (One Mark, No choice) (15x1=15)	15						15
SECTION-B (2-Marks, No choice) (10x2=20)		10					20
SECTION-C (7- Marks) (Either/or type) (5x7=35)			5				35
SECTION-D (10 Marks) (3 out of 5) (3x10=30) Courses having only K4 levels				3			30
Courses having K4 and K5 levels One K5 level question is compulsory				2	1		
(Courses having all the 6 cognitive levels One K5 and K6 level questions can be compulsory				1	1	1	
Total	15	20	35	30			100

QUESTION PATTERN FOR MID/END TEST		
SECTIONS		MARKS
SECTION-A (No choice, One Mark) (7x1 =7)		7
SECTION-B (No choice , 2-Marks) (6x2 =12)		12
SECTION-C (Either/or type) (7- Marks) (3x7 =21)		21
SECTION-D (2 out of 3) (10 Marks) (2x10=20)		20
Total		60

BLUE PRINT OF QUESTION PAPER FOR MID/END TEST							
DURATION: 2. 00 Hours.				Max Mark: 60.			
K- LEVELS	K1	K2	K3	K4	K5	K6	Total Marks
SECTIONS							
SECTION -A (One Mark, No choice) (7 x 1 = 7)	7						07
SECTION-B (2-Marks, No choice) (6 x 2 = 12)		6					12
SECTION-C (Either/or type) (7- Marks) (3 x 7 =21)			3				21
SECTION-D (2 out of 3) (10 Marks) (2x10=20) Courses having only K4 levels				2			20
Courses having K4 and K5 levels One K5 level question is compulsory				1	1		
Courses having all the 6 cognitive levels One K6 level question is compulsory					1	1	
Total Marks	07	12	21	20			60
Weightage for 100 %	12	20	35	33			100

Assessment pattern for two credit courses.

S. No.	Course Title	CIA	Semester Examination	Total Marks
1	Self Paced Learning Course	25 + 25 = 50	50 Marks (MCQ) (COE)	100
2	Comprehensive Examinations	25 +25 = 50	50 Marks (MCQ) (COE)	100
3	Internship	100	--	100
4	Field Visit	100	--	100
5	Ability Enhancement Course (AEC) for PG	50 (Three Components)	50 (COE) (Specific Question Pattern)	100
Assessment Pattern for Courses in Part - IV				
6	Value Education Courses and Environmental Studies	50	50 Marks (For 2.00 hours) (COE)	100
7	Skill Enhancement Courses(SECs)	50 marks (by Course in-charge) 50 Marks (by an External member from the Department)		100
8	SEC: SOFT SKILLS (For UG and PG)	100 (Fully Internal)		100

EVALUATION

GRADING SYSTEM

Once the marks of the CIA and the end-semester examination for each of the courses are available, they will be added and converted as final mark. The marks thus obtained will then be graded as per the scheme provided in Table-1.

From the second semester onwards, the total performance within a semester and the continuous performance starting from the first semester are indicated by semester Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) respectively. These two are calculated by the following formulae:

$GPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$	$WAM \text{ (Weighted Average Marks)} = \frac{\sum_{i=1}^n C_i M_i}{\sum_{i=1}^n C_i}$
<p>Where,</p> <p>C_i is the Credit earned for the Course i G_i is the Grade Point obtained by the student for the Course i M_i is the marks obtained for the course i and n is the number of Courses Passed in that semester.</p>	

CGPA: Average GPA of all the Courses starting from the first semester to the current semester.

CLASSIFICATION OF FINAL RESULTS:

- i) For each of the first three parts, there shall be separate classification on the basis of CGPA, as indicated in Table-2.
- ii) For the purpose of declaring a candidate to have qualified for the Degree of Bachelor of Arts/Science/Commerce/Management/Literature as Outstanding/Excellent/Very Good/Good/Above Average/Average, the marks and the corresponding CGPA earned by the candidate in Part-III alone will be the criterion, provided the candidate has secured the prescribed passing minimum in the all the Five parts of the Programme.
- iii) Grade in Part –IV and Part-V shall be shown separately and it shall not be taken into account for classification.
- iv) A Pass in SHEPHERD will continue to be mandatory although the marks will not count for the calculation of the CGPA.
- v) Absence from an examination shall not be taken an attempt.

Table-1: Grading of the Courses

Marks Range	Grade Point	Corresponding Grade
90 and above	10	O
80 and above and below 90	9	A+
70 and above and below 80	8	A
60 and above and below 70	7	B+
50 and above and below 60	6	B
40 and above and below 50	5	C
Below 40	0	RA

Table-2: Final Result

CGPA	Corresponding Grade	Classification of Final Result
9.00 and above	O	Outstanding
8.00 to 8.99	A+	Excellent
7.00 to 7.99	A	Very Good
6.00 to 6.99	B+	Good
5.00 to 5.99	B	Above Average
4.00 to 4.99	C	Average
Below 4.00	RA	Re-appearance

Credit based weighted Mark System is adopted for the individual semesters and cumulative semesters in the column 'Marks secured' (for 100)

Declaration of Result

Mr./ MS. _____ has successfully completed the Under Graduate in _____ programme. The candidate's Cumulative Grade Point Average (CGPA) in Part – III is _____ and the class secured is _____ by completing the minimum of 130 credits. The candidate has acquired _____ (if any) more credits from SHEPHERD / AICUF/ FINE ARTS / SPORTS & GAMES / NCC / NSS / NATURE CLUB, ETC. The candidate has also acquired _____ (if any) extra credits by attending MOOC courses.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

The Programme Outcomes (POs)/Programme Specific Outcomes(PSOs) are the qualities that must be imbibed in the graduates by the time of completion of their programme. At the end of each programme the PO/PSO assessment is done from the CO attainment of all curriculum components. The POs/PSOs are framed based on the guidelines of LOCF. There are five POs UG programme and five POs for PG programme framed by the college. PSOs are framed by the departments and they are five in numbers.

For each Course, there are five Course Outcomes to be achieved at the end of the course. These Course outcomes are framed to achieve the POs/PSOs. All course outcomes shall have linkage to POs/PSOs in such a way that the strongest relation has the weight 3 and the weakest is 1. This relation is defined by using the following table.

Mapping	<40%	≥ 40% and < 70%	≥ 70%
Relation	Low Level	Medium Level	High Level
Scale	1	2	3

$\text{Mean Scores of COs} = \frac{\text{Sum of values}}{\text{Total No.of POs \& PSOs}}$		$\text{Mean Overall Score} = \frac{\text{Sum of Mean Scores}}{\text{Total No.of COs}}$	
Result	Mean Overall Score	< 1.2	# Low
		≥ 1.2 and < 2.2	# Medium
		≥ 2.2	# High

If the mean overall score is low then the course in charge has to redesign the particular course content so as to achieve high level mean overall score.

VISION

Forming globally competent, committed, compassionate and holistic persons, to be men and women for others, promoting a just society.

MISSION

- Fostering learning environment to students of diverse background, developing their inherent skills and competencies through reflection, creation of knowledge and service.
- Nurturing comprehensive learning and best practices through innovative and value-driven pedagogy.
- Contributing significantly to Higher Education through Teaching, Learning, Research and Extension.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Graduates will be able to accomplish professional standards in the global environment.
- Graduates will be able to uphold integrity and human values.
- Graduates will be able to appreciate and promote pluralism and multiculturalism in working environment.

PROGRAMME OUTCOMES (POs) UG

1. Graduates will be able to comprehend the concepts learnt and apply in real life situations with analytical skills.
2. Graduates with acquired skills and enhanced knowledge will be employable/ become entrepreneurs or will pursue higher Education.
3. Graduates with acquired knowledge of modern tools communicative skills and will be able to contribute effectively as team members.
4. Graduates are able to read the signs of the time analyze and provide practical solutions.
5. Graduates imbued with ethical values and social concern will be able to understand and appreciate social harmony, cultural diversity ensure sustainable environment.

PROGRAMME SPECIFIC OUTCOMES (PSOs) UG

On completion of the Programme, the Under Graduates will be able to;

1. Define and explain the concepts, principles and theories in Economics.(K1 & K2)
2. Demonstrate and interpret the applications of programmes and policies in Economics and Environment.(K3)
3. Infer and apply basic quantitative techniques and modern tools in research for economic and social development. (K3 & K4)
4. Experiment and analyse the knowledge of the subject in managerial skills, entrepreneurial skills and innovative ideas with ethical values.(K4)
5. Compare and contrast the domestic and international business, finance and economic relations on par with global competitiveness.(K2)

B.A. ECONOMICS						
PROGRAMME STRUCTURE						
Part	Sem.	Specification	No. of Courses	No. of Hours	Credits	Total Credits
I	1-IV	Languages (Tamil / Hindi/ French/ Sanskrit)	4	16	12	12
II	I-IV	General English	4	20	12	12
	I –VI	Core course : Theory	12	74	45	82
III	I –VI	Core course : Practical	--	--		
	I-IV	Core course- Allied /(Practical)	4	24	16	
	V-VI	Discipline Specific Elective	4	20	12	
	VI	Project Work	1		2	
	V	Self-paced learning	1	--	2	
	V	Field study/ Industrial visit/ Case study	1		1	
	V	Internship	1	-	2	
	VI	Comprehensive Exam	1	--	2	
	II,III,V	Extra Credit courses (MOOC)	(3)	--	(6)	(6)
IV	V,VI	Generic Elective	2	8	6	20
	I	AECC-1 Communicative English	1	--	4	
	II	AECC-2 Environmental studies	1	2	2	
	III	SEC -1 Within Dept. (WD)	1	2	1	
	IV	SEC -2 Between Schools (BS)	1	2	1	
	V	SEC -3 Soft skill	1	2	1	
	VI	SEC -4 Within School (WS)	1	2	1	
	I-IV	Value Education	4	8	4	
V	1-V	Outreach Programme /NCC	-	-	4	4
		Total		180	130 (6)	130(6)

B.A. ECONOMICS								
PROGRAMME PATTERN								
Course Details						Scheme of Exams		
Sem	Part	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
I	1	21UTA11GL01	General Tamil - I	4	3	100	100	100
		21UFR11GL01	French-I					
		21UHI11GL01	Hindi-I					
		21USA11GL01	Sanskrit-I					
	2	21UEN12GE01	General English -I	5	3	100	100	100
	3	21UEC13CC01	Microeconomics – I	7	4	100	100	100
	3	21UEC13CC02	Indian Economic Development – I	6	4	100	100	100
	3	21UEC13AC01	Allied: Mathematical Methods in Economics– I	6	4	100	100	100
	4	21UEN14AE01	AECC-1: Communicative English	(6)	4	100	-	100
	4	21UHE14VE01	Essentials of Humanity	2	1	50	50	50
Total				30	23			
II	1	21UTA21GL02	General Tamil - II	4	3	100	100	100
		21UFR21GL02	French-II					
		21UHI21GL02	Hindi-II					
		21USA21GL02	Sanskrit-II					
	2	21UEN22GE02	General English -II	5	3	100	100	100
	3	21UEC23CC03	Microeconomics – II	6	4	100	100	100
	3	21UEC23CC04	Indian Economic Development – II	5	3	100	100	100
	3	21UEC23AC02	Allied: Mathematical Methods in Economics – II	6	4	100	100	100
	4	21UHE24AE02	AECC-2: Environmental studies	2	2	50	50	50
	4	21UHE24VE02	Techniques of Social Analysis: Fundamentals of Human Rights	2	1	50	50	50
			Extra Credit Courses (MOOC)-1	-	(2)			
Total				30	20(2)			

III	1	21UTA31GL03	General Tamil -III	4	3	100	100	100
		21UFR31GL03	French-III					
		21UHI31GL03	Hindi-III					
		21USA31GL03	Sanskrit-III					
	2	21UEN32GE03	General English -III	5	3	100	100	100
	3	21UEC33CC05	Macroeconomics – I	6	4	100	100	100
	3	21UEC33CC06	Development Economics	5	3	100	100	100
	3	21UEC33AO03A	Allied Optional : Statistics for Economics-I	6	4	100	100	100
	3	21UEC33AO03B	Allied Optional : Data Analysis for Economics					
	3	21UEC34SE01	SEC -1 (WD): Economic Survey and Union Budget	2	1	100	-	100
	4	21UHE34VE03A	Professional Ethics–I: Social Ethics - I	2	1	50	50	50
		21UHE34VE03B	Professional Ethics -I: Religious Doctrine-I					
			Extra Credit Courses (MOOC)-2		(2)			
Total				30	19(2)			

IV	1	21UTA41GL4C	Commercial Tamil (SMS)	4	3	100	100	100
		21UFR41GL04	French- IV					
		21UHI41GL04	Hindi- IV					
		21USA41GL04	Sanskrit- IV					
	2	21UEN42GE04	General English - IV	5	3	100	100	100
	3	21UEC43CC07	Macroeconomics – II	6	4	100	100	100
	3	21UEC43CC08	Labour Economics	5	3	100	100	100
	3	21UEC43AO04A	Allied Optional :Statistics for Economics – II	6	4	100	100	100
		21UEC43AO04B	Allied Optional : Entrepreneurial Development					
	4	21UEC44SE02	SEC -2 (BS): Financial Economics	2	1	100	-	100
	4	21UHE44VE04A	Professional Ethics–II: Social Ethics - II	2	1	50	50	50
		21UHE44VE04B	Professional Ethics -II: Religious Doctrine-II					
			Total	30	19			
V	3	21UEC53CC09	Basic Econometrics	7	4	100	100	100
	3	21UEC53CC10	Money and Banking	7	4	100	100	100
	3	21UEC53ES01A	DSE-1 :Research Methods in Economics	5	3	100	100	100
		21UEC53ES01B	DSE-1 :Economics of Health and Education					
	3	21UEC53ES02A	DSE-2 :Economics of Infrastructure	5	3	100	100	100
	3	21UEC53ES02B	DSE-2 :Environmental Economics					
	3	21UEC53IS01	Internship	-	2	100	100	100
	3	21UEC53SP01	Self-paced Learning: Principles of Political Economy	-	2	50	50	50
	3	21UEC53FV01	Field study/ Industrial visit/ Case study	-	1	100	-	100
	4	21USS54SE03	SEC -3 : Soft Skills	2	1	100	-	100
	4	21UEC54EG01	GE-1: Principles of Economics	4	3	100	100	100
			Extra Credit Courses (MOOC)-3	---	(2)			
			Total	30	23(2)			
VI	3	21UEC63CC11	History of Economic Thought	7	4	100	100	100
	3	21UEC63CC12	Public Finance	7	4	100	100	100
	3	21UEC63ES03A	DSE-3: International Economics	5	3	100	100	100
		21UEC63ES03B	DSE-3: Money and Financial Markets					
	3	21UEC63ES04A	DSE-4: Tamil Nadu Economy	5	3	100	100	100
		21UEC63ES04B	DSE-4: Economics of Gender Development					
	3	21UEC63PW01	Project Work and Viva Voce	-	2	100	100	100
	3	21UEC63CE01	Comprehensive Examination	-	2	50	50	50
	4	21UEC64SE04	SEC-4 (WS): Contemporary Issues in Economics	2	1	100	-	100
	4	21UEC64EG02	GE-2 : Economics for Competitive Exams	4	3	100	100	100
			Total	30	22			
I-VI	5	21UCW65OR01	Outreach Programme (SHEPHERD)		4			
			Total (three years)	180	130(6)			

*The courses with a scheme of Exam 50 in CIA and SE will be converted to 100 for grading.

SEC-2: BETWEEN SCHOOL 4th Semester							
Between Schools (BS)- Offered to students of other schools (Except the school offering the course)							
Course Details					Scheme of Exams		
Offering Department	Course Code	Course Title	Hr	Cr	CIA	SE	Final
SBS							
Botany	21UBO44SE02	Mushroom Technology	2	1	100	-	100
SCS							
Computer Science	21UCS44SE02	Data Analysis Using Spreadsheet	2	1	100	-	100
Mathematics	21UMA44SE02	Numerical Ability	2	1	100	-	100
Statistics	21UST44SE02	Quantitative Methods	2	1	100	-	100
Information Technology	21UBC44SE02	Digital Artwork	2	1	100	-	100
SLAC							
English	21UEN44SE02	English for Competitive Examinations	2	1	100	-	100
History	21UHS44SE02	Historical Monuments in Tiruchirappalli	2	1	100	-	100
Tamil	21UTA44SE02A	மேடைப் பேச்சுக்கலை	2	1	100	-	100
Tamil	21UTA44SE02	திரைப்படத் திறனாய்வும் குறும்பட உருவாக்கம்	2	1	100	-	100
SMS							
Commerce	21UCO44SE02A	Personal Finance Management	2	1	100	-	100
Commerce	21UCO44SE02B	Marketing Skills	2	1	100	-	100
Commerce	21UCO44SE02C	Event Planning and Management	2	1	100	-	100
Economics	21UEC44SE02	Financial Economics	2	1	100	-	100
BBA	21UBU44SE02A	Entrepreneurial Skills Enhancement	2	1	100	-	100
BBA	21UBU44SE02B	Practical Stock Trading	2	1	100	-	100
CommerceCA	21UCC44SE02	Practical Banking in India	2	1	100	-	100
SPS							
Chemistry	21UCH44SE02A	Health Chemistry	2	1	100	-	100
Chemistry	21UCH44SE02B	Industrial Chemistry	2	1	100	-	100
Physics	21UPH44SE02A	Weather Physics	2	1	100	-	100
Physics	21UPH44SE02B	Electrical Wiring	2	1	100	-	100
Electronics	21UEL44SE02	PC Assembling and Servicing	2	1	100	-	100

GENERIC ELECTIVE -1: 5th Semester							
Generic Elective Courses are designed for the students of other disciplines. (open to the students of other departments)							
Course Details					Scheme of Exams		
Offering Department	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
SBS							
Botany	21UBO54EG01	Landscape Designing	4	3	100	100	100
SCS							
Computer Science	21UCS54EG01	Ethical Hacking	4	3	100	100	100
Mathematics	21UMA54EG01	Mathematics for Competitive Examinations	4	3	100	100	100
Statistics	21UST54EG01	Actuarial Statistics	4	3	100	100	100
Information Technology	21UBC54EG01	Fundamentals Of Data Science	4	3	100	100	100
SLAC							
English	21UEN54GE01	Film Studies	4	3	100	100	100
History	21UHS54EG01	Tamil Heritage and Culture	4	3	100	100	100
Tamil	21UTA54EG01	தமிழிலயக்கத்தில் மனித உரிமைகள்	4	3	100	100	100
SMS							
Commerce	21UCO54EG01A	Computerised Accounting	4	3	100	100	100
Commerce	21UCO54EG01B	Basics of Excel	4	3	100	100	100
Commerce	21UCO54EG01C	Personal Investment Planning	4	3	100	100	100
Economics	21UEC54EG01	Principles of Economics	4	3	100	100	100
Commerce CA	21UCC54EG01	E-commerce and E Business Management	4	3	100	100	100
BBA	21UBU54EG01A	Global Supply Chain Management	4	3	100	100	100
BBA	21UBU54EG01B	Start – Ups and Small Business Management	4	3	100	100	100
SPS							
Chemistry	21UCH54EG01A	Chemistry for Competitive Examinations	4	3	100	100	100
Chemistry	21UCH54EG01B	Everyday Chemistry	4	3	100	100	100
Physics	21UPH54EG01A	Everyday Physics	4	3	100	100	100
Physics	21UPH54EG01B	Renewable Energy Physics	4	3	100	100	100
Electronics	21UEL54EG01A	Everyday Electronics	4	3	100	100	100
Electronics	21UEL54EG01B	Wireless Communication	4	3	100	100	100

GENERIC ELECTIVE -2: 6 th Semester							
Generic Elective Courses are designed for the students of other disciplines. (open to the students of other departments)							
Course Details					Scheme of Exams		
Offering Department	Course Code	Course Title	Hrs	Cr	CIA	SE	Final
SBS							
Botany	21UBO64EG02	Solid Waste Management	4	3	100	100	100
SCS							
Computer Science	21UCS64EG02	3D Printing and Design	4	3	100	100	100
Mathematics	21UMA64EG02	Analytical Skill for Competitive Examinations	4	3	100	100	100
Statistics	21UST64EG02	Applied Statistics	4	3	100	100	100
Information Technology	21UBC64EG02	Industry 4.0	4	3	100	100	100
SLAC							
English	21UEN64EG02	English for the Media	4	3	100	100	100
History	21UHS64EG02	Intellectual Revivalism in Tamil Nadu	4	3	100	100	100
Tamil	21UTA64EG02	சித்த மருத்துவம்	4	3	100	100	100
SMS							
Commerce	21UCO64EG02A	Rural Marketing	4	3	100	100	100
Commerce	21UCO64EG02B	Entrepreneurship Development	4	3	100	100	100
Commerce	21UCO64EG02C	Digital Marketing	4	3	100	100	100
Economics	21UEC64EG02	Economics for Competitive Exams	4	3	100	100	100
CommerceCA	21UCC64EG02	Total Quality Management	4	3	100	100	100
BBA	21UBU64EG02A	Personality Development	4	3	100	100	100
BBA	21UBU64EG02B	NGO Management	4	3	100	100	100
SPS							
Chemistry	21UCH64EG02A	Food And Nutrition	4	3	100	100	100
Chemistry	21UCH64EG02B	Waste Management	4	3	100	100	100
Physics	21UPH64EG02A	Laser Technology and its Application	4	3	100	100	100
Physics	21UPH64EG02B	Physics of Earth	4	3	100	100	100
Electronics	21UEL64EG02A	CCTV and Smart Security System	4	3	100	100	100
Electronics	21UEL64EG02B	Entrepreneurial Electronics	4	3	100	100	100

Semester	Course Code	Title of the Course	Hours	Credits
I	21UTA11GL01	General Tamil -I	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	இப்பாடத்தின் நிறைவில் மாணவர்கள்	
CO-1	இக்கால இலக்கிய வகைகளைக் கண்டறிவர்	K1
CO-2	எழுத்து, சொல் இலக்கணங்களின் அடிப்படைகளைக் கண்டறிவர்	K1
CO-3	அயலகக் கவிதை வடிவங்களை விளங்கிக் கொள்வர்	K2
CO-4	மொழிபெயர்ப்புக் கவிதைகளின் வாயிலாக மொழிபெயர்ப்புத் திறனை வளர்த்தெடுப்பர்	K3
CO-5	புதுக்கவிதை வாயிலாக வெளிப்படும் சமூக, அரசியல் விழுமியங்களை மதிப்பிடுவர்	K4

அலகு - 1

(12 மணிநேரம்)

- பாரதியார் கவிதைகள் - குயில்பாட்டு (குயில் தன் பூர்வ ஜன்மக் கதை உரைத்தல்)
பாரதிதாசன் கவிதைகள் - சஞ்சீவி பர்வதத்தின் சாரல் உரைநடை - முதல் மூன்று கட்டுரைகள்

அலகு - 2

(12 மணிநேரம்)

- வெ.இராமலிங்கனார் - சொல், தமிழன் இதயம்
முடியரசனார் - உயிர் வெல்லமோ, மனத்தாய்மை
பெருஞ்சித்திரனார் - அஞ்சாதீர், மொழி இனம் நாடு, பட்டுக்கோட்டை
கல்யாணசுந்தரனார் - வருங்காலம் உண்டு, உழைக்காமல் சேர்க்கும் பணம்.
இலக்கணம் - எழுத்து
இலக்கிய வரலாறு - மூன்றாம் பாகம் - தண்டமிழ்த் தொண்டர்கள்

அலகு - 3

(12 மணிநேரம்)

- சுரதா - நல்ல தீர்ப்பு
கண்ணதாசன் - ஒரு பாணையின் கதை
அப்துல் ரகுமான் - வீடு
மேத்தா - ஒரே குரல்
இலக்கிய வரலாறு - மூன்றாம் பாகம் - இருபதாம் நூற்றாண்டு
இலக்கியவளர்ச்சி
சிறுகதை - முதல் ஐந்து சிறுகதைகள்

அலகு - 4 : அரசியல் கவிதைகள்

(12 மணிநேரம்)

- ஈரோடு தமிழன்பன் - அகல் விளக்காக இரு
ஆதவன் தீட்சண்யா - இன்னும் இருக்கும் சுவர்களின் பொருட்டு

சுகிர்தராணி	- என் கண்மணியே இசைப்பிரியா
சக்தி ஜோதி	- யுகாந்திர உறக்கம்
பழநிபாரதி	- வெள்ளைக்காகிதம்
லிவிங் ஸ்மைல் வித்யா	- நினைவில் பால்யம் அழுத்தம்
இலக்கணம்	- சொல்

அலகு - 5 அயலகக் கவிதைகள்

(12 மணிநேரம்)

ஓசே ரிசால்	- விடைகொடு என் தாய் மண்ணே
ஹைபுன் கவிதைகள்	- அறுவடை நாளின் மழை (மூன்று கவிதைகள்)
சிறுகதை	- ஆறு முதல் பத்து சிறுகதைகள்
உரைநடை	- நான்கு முதல் ஆறு கட்டுரைகள்

பாட நூல்கள்

1. பொதுத்தமிழ், செய்யுள் திரட்டு, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, முதற்பதிப்பு, 2021
2. சமூகவியல் நோக்கில் தமிழிலக்கிய வரலாறு, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, பத்தாம் பதிப்பு, 2017
3. நற்றமிழ்க் கோவை (கட்டுரைத் தொகுப்பு). தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, முதற்பதிப்பு, 2021
4. சிறுகதைத் தொகுப்பு - ஒவ்வொரு கல்வியாண்டிற்கும் ஒவ்வொரு சிறுகதைத்தொகுப்பு
5. (2021-2022 கல்வியாண்டுக்கு மட்டும்): நல்லாசிரியர், சிறுகதைத் தொகுப்பு, - தமிழாய்வுத்துறை, நியூ செஞ்சுரி புக் ஹவுஸ், சென்னை, முதற்பதிப்பு, 2021

Relationship matrix for Course outcomes, Programme outcomes / Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
I	21UTA11GL01	General Tamil -I									4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	1	2	2	3	3	3	2	3	2	2.3	
CO-2	2	1	2	2	2	3	2	2	2	2	2.0	
CO-3	2	1	2	2	3	3	3	2	3	2	2.3	
CO-4	1	2	1	2	2	3	2	2	3	2	2.0	
CO-5	1	1	2	2	3	3	3	2	3	2	2.2	
Mean overall Score											2.16	(High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21UFR11GL01	FRENCH – I	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	recall and spell the alphabets, numbers, colours, days of the week and months in French.	K1
CO–2	compare the definite and indefinite articles and its usages.	K2
CO–3	construct simple phrases by using ‘er’ verbs in present tense.	K3
CO–4	make use of correct terminology and introduce oneself in French.	K3
CO–5	distinguish between affirmative and negative phrases and take part in role play - conversation.	K4

Unit – I (12 hours)

TITRE: BONJOUR CA VA ?

GRAMMAIRE : Les pronoms personnels sujets, les articles définis et indéfinis, Etre et avoir (verbes auxiliaires)

LEXIQUE : Saluer, Entrer en contact, demander et dire comment ça va ?, L’alphabet, les couleurs, les pays et les nationalités, les animaux domestiques.

PRODUCTION ORALE : Epeler son nom et son prénom, Comprendre des personnes qui se saluent.

PRODUCTION ECRITE : Les formules de politesse

Unit – II (12 hours)

TITRE: SALUT ! JE M’APPELLE AGNES

GRAMMAIRE : La conjugaison du 1^{er} groupe, les adjectifs possessifs, la formation du féminin, la formation du pluriel.

LEXIQUE : Se présenter, Présenter quelqu’un, Remercier, Les jours de la semaine, les mois de l’année, les nombres de 0 à 69, la famille

PRODUCTION ORALE : Comprendre des informations essentielles

PRODUCTION ECRITE : Présentez –vous

Unit - III (12 hours)

TITRE: QUI EST-CE ?

GRAMMAIRE : La phrase interrogative : Qu’est-ce que... ?/Qu’est-ce que c’est ?/Qui est-ce ?, quelques indicateurs du temps, la formation du féminin, les verbes aller et venir

LEXIQUE : Demander et répondre poliment, les professions

PRODUCTION ORALE : Parler de ses projets

PRODUCTION ECRITE : Ecrire de brefs messages

Unit - IV (12 hours)

TITRE: DANS MON SAC, J’AI ?

GRAMMAIRE : la phrase négative, c’est/il est, les articles contractes, les pronoms personnels toniques

LEXIQUE : Demander des informations personnelles, Quelques objets, la fiche d’identité, les nombres à partir de 70

PRODUCTION ORALE : Comprendre un message sur un répondeur téléphonique

PRODUCTION ECRITE : Remplir une fiche d'identité

Unit - V

(12 hours)

TITRE:IL EST COMMENT? / ALLO?

GRAMMAIRE : les adverbes interrogatifs, les prépositions de lieu, les verbes du deuxième groupe, le verbe faire

LEXIQUE : Parler au téléphone, décrire quelqu'un, l'aspect physique, le caractère

PRODUCTION ORALE : Un jeu de rôle – la conversation téléphonique

PRODUCTION ECRITE : Décrivez votre aspect physique et votre caractère en quelques lignes

Book for Study

P. Dauda, L.Giachino and C.Baracco, *Generation AI*, Didier, Paris 2016.

Books for Reference

1. J.Girardet and J.Pecheur, *Echo AI*, CLE International, 2^eédition, 2017
2. Régine Mérieux and Yves Loiseau, *Latitudes AI*, Didier, 2012.
3. Isabelle Fournier, *Talk French*, Goyal Publishers,2011

Web Resources

1. <https://www.wikihow.com/Pronounce-the-Letters-of-the-French-Alphabet>
2. <https://français.lingolia.com/en/grammar/tenses/le-present>
3. <https://www.lawlessfrench.com/grammar/articles/>
4. <https://www.frenchpod101.com/french-vocabulary-lists/10-lines-you-need-for-introducing-yourself>
5. <https://www.tolearnfrench.com/exercices/exercise-french-2/exercise-french-3295.php>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours		Credits	
I	21UFR11GL01		FRENCH – I					4		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO–1	3	1	2	3	2	3	2	1	2	3	2.2
CO–2	3	3	3	2	2	2	1	2	2	3	2.3
CO–3	3	1	2	3	2	3	2	1	2	2	2.1
CO–4	2	2	3	2	1	3	2	1	2	3	2.1
CO–5	3	2	3	2	2	3	2	2	3	2	2.4
Mean overall Score											2.22 (High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21UHI11GL01	HINDI- I	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, students will be able to	
CO -1	list out the literary works in Hindi during the period of 12th century in India.	K1
CO -2	compare the vocabulary & expressions related to day-to-day conversation.	K2
CO -3	use simple Phrases from English to Hindi.	K3
CO -4	investigate the values of Indian society & summarize the duties of a citizen for his/her country.	K4
CO -5	identify the sentences in Hindi using basic grammar.	K4

Unit - I (12 Hours)

Dr. Abdul Kalam
Ling
Kabir Ke Dohe
Baathcheeth - Aspathal mein
Adhikal - Namakarn

Unit - II (12 Hours)

Vachan Badaliye
Thulasi ke Dohe
Adhikal - Samajik Paristhithiyam
Moun Hee Mantra Hai

Unit - III (12 Hours)

Sangya
Soordas ke Pad
Baathcheeth - Hotel mein
Adhikal - Sahithyik Paristhithiyam

Unit - IV (12 Hours)

Sarvanam
Rahim ke Dohe
Bathcheeth - Kaksha mein
Adhikal - Salient Features, Main Divisions

Unit - V**(12 Hours)**

Anuvad - 1
 Visheshan
 Bihari - Dohe
 Bathcheeth - Kariyalay mein
 Adhikal - Visheshathayem

Books for Study

1. M.kamathaprasad Gupt, *Hindi Vyakaran*, Anand Prakashan, Kolkatta,2020.
Unit-I Chapters 2 and 3
2. Viswanath Tripaty, *Kuchh Kahaniyan*, Rajkamal Prakashan Pvt. Ltd, New Delhi,2018.
Unit-II, III and IV Chapters 4 and 5
3. Dr. Sanjeev Kumar Jain, *Anuvad: Siddhant Evam Vyavhar*, Kailash Pustak Sadan, Madhya Pradesh 2019.
Unit-V Chapter 1

Books for Reference

1. Dr.A.P.J.Abdul Kalam, *Mere sapnom ka Bharath*, Prabath Prakashan, Noida, 2020,
2. Lakshman prasad singh, *Kavya ke sopan*, Bharathy Bhavan Prakashan, 2017.
3. Aravind Kumar, *Sampoorna Hindi Vyakaran our Rachana*, Lucent publisher, 2019.
4. Adhunik Hindi Vyakaran our Rachana, bharati bhawan publishers & distributors, 2018.
5. Acharya ramchandra shukla, *Hindi Sahitya Ka Itihas*, Prabhat Prakashan, 2021.

Web Resources

1. <https://youtu.be/LrdrcP2oiyU>
2. <https://youtu.be/Cib2FNv8KyA>
3. <https://youtu.be/aXARykpyCxA>
4. <https://youtu.be/RUDFis-tdg4>
5. <https://youtu.be/upivTmLTPQA>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code		Title of the Course								Hours	Credits
I	21UHI11GL01		HINDI - I								4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	3	2	3	1	3	1	3	3	2	2.3	
CO-2	2	2	3	3	1	3	2	3	3	2	2.4	
CO-3	3	2	2	1	2	3	2	3	2	3	2.3	
CO-4	3	2	1	3	2	3	2	3	3	2	2.4	
CO-5	2	3	3	2	3	2	3	3	3	1	2.5	
Mean Overall Score											2.38 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21USA11GL01	SANSKRIT - I	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, the student will be able to	
CO-1	remember and Recall words relating to objects.	K1
CO-2	understand classified vocabulary.	K2
CO-3	apply nouns and verbs.	K3
CO-4	analyze different forms of names and verbs.	K4
CO-5	appreciate the good saying of Sanskrit Improve the self-values.	K5

Unit - I (12 Hours)

Samyakthakshatra pada paricaya

Unit - II (12 Hours)

Vartmanakala prayogaha

Unit - III (12 Hours)

Samskruta varathamana kalaha

Unit - IV (12 Hours)

Shadha priyoghaa aakaarnta ikaraantha ukarantha

Unit - V (12 Hours)

Subhashitani manoharani Dasaslokani

Book for Study

Shaptamanjari , K.M., Saral Snakrit Balabodh , Bharathiya Vidya Bhavan , Munushimarg
Mumbai – 4000 007 2018, 2019

Books for Reference

1. Kulapathy , K.M., Saral Snakrit Balabodh , Bharathiya Vidya Bhavan , Munushimarg
Mumbai – 4000 007 2018
2. R.S.Vadhar & Sons , Book – Sellers and publishers , Kalpathi.Palgahat 678003, Kerala
South India , Shabdha Manjari 2019
3. Balasubramaniam R, Samskrita Akshatra Siksha , Vangals Publications, 14th Main road
JP Nagar , Bangalore – 78

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
I	21USA11GL01	SANSKRIT- I									4	3
Course Outcomes ↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	3	1	1	3	2	3	2	3	2	2	2.2	
CO-2	2	2	3	3	1	2	2	3	3	2	2.3	
CO-3	3	2	2	2	2	2	2	3	3	2	2.3	
CO-4	3	2	2	3	2	3	3	3	2	2	2.3	
CO-5	3	2	3	2	3	2	2	3	3	3	2.6	
Mean Overall Score											2.34	
Result											# High	

Semester	Course Code	Title of the Course	Hours	Credits
I	21UEN12GE01	GENERAL ENGLISH - I	5	3

CO No.	CO-Statements	Cognitive Levels (K- Levels)
	On successful completion of this course, students will be able to	
CO-1	recall what they observe and experience	K1
CO-2	arrange different parts of a text in a coherent manner	K2
CO-3	examine the underlying meaning in a text	K3
CO-4	analyse and evaluate letters regarding the use of appropriate language and format	K4 & K5
CO-5	use conversational English to communicate with friends	K6

Unit-I

(15 Hours)

01. Personal Details
02. Positive Qualities
03. Listening to Positive Qualities
04. Relating and Grading Qualities
05. My Ambition
06. Abilities and Skills
07. Self-Improvement Word Grid
08. What am I Doing?
09. What was I Doing?
10. Unscramble the Past Actions
11. What did I Do Yesterday?

Unit-II

(15 Hours)

12. Body Parts
13. Actions and Body Parts
14. Value of Life
15. Describing Self
16. Home Word Grid
17. Unscramble Building Types
18. Plural Forms of Naming Words
19. Irregular Plural Forms
20. Plural Naming Words Practice
21. Whose Words?

Unit-III

(15 Hours)

22. Plural Forms of Action Words
23. Present Positive Actions
24. Present Negative Actions
25. Un/Countable Naming Words
26. Recognition of Vowel Sounds

27. Indefinite Articles
28. Un/Countable Practice
29. Match the Visual
30. Letter Spell-Check
31. Drafting a Letter

Unit-IV

(15 Hours)

32. Friendship Word Grid
33. Friends' Details
34. Guess the Favourites
35. Guess Your Friend
36. Friends as Guests
37. Introducing Friends
38. What are We Doing?
39. What is (S)He / are They Doing?
40. Yes / No Question
41. What was S/He Doing?
42. Names and Actions
43. True Friendship
44. Know Your Friends
45. Giving Advice/Suggestions
46. Discussion on Friendship
47. My Best Friend

Unit-V

(15 Hours)

48. Kinship Words
49. The Odd One Out
50. My Family Tree
51. Little Boy's Request
52. Occasions for Message
53. Words Denoting Place
54. Words Denoting Movement
55. Phrases for Giving Directions
56. Find the Destination
57. Giving Directions Practice
58. SMS Language
59. Converting SMS
60. Writing Short Messages
61. Sending SMS
62. The Family Debate
63. Family Today

Book for Study

Joy, J.L., and Peter, F.M. *Let's Communicate 1*. New Delhi, Trinity P, 2014.

Books for Reference

1. Ahrens, Sönke. *How to Take Smart Notes: One Simple Technique to Boost Writing, Learning and Thinking*. New York: Create Space, 2017.
2. Aspinall, Tricia. *Test Your Listening*. London: Pearson, 2002.
3. Bailey, Stephen. *Academic Writing: A Practical Guide for Students*. New York: Routledge, 2004.

4. Fitikides, T.J. *Common Mistakes in English* (6th ed.). London: Longman, 2002.
5. Wainwright, Gordon. *How to Read Faster and Recall More: Learn the Art of Speed Reading with Maximum Recall* (3rd ed.). Oxford: How to Books, 2007.

Web Resources

1. <https://learnenglish.britishcouncil.org/>
2. <https://oneminuteenglish.org/en/best-websites-learn-english/>
3. <https://www.dailywritingtips.com/best-websites-to-learn-english/>

Relationship Matrix for Course Outcomes, Programme Outcomes, and Programmes Specific Outcomes

Semester	Course Code		Title of the Course								Hours	Credit
I	21UEN12GE01		GENERAL ENGLISH – I								5	3
Course Outcome (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO -1	2	3	2	2	3	2	3	2	3	2	2.4	
CO -2	2	2	3	2	3	3	2	3	2	2	2.3	
CO -3	2	3	2	3	2	2	3	2	3	2	2.4	
CO -4	2	2	3	2	3	3	2	3	2	3	2.5	
CO -5	2	2	2	3	2	2	2	3	2	2	2.2	
Mean Overall Score											2.36 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
I	21UEC13CC01	CORE – 1: MICROECONOMICS-I	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the fundamental concepts, principles, motives and behavior of an individual and firm.	K1
CO–2	explain the scope and methodology of Microeconomics.	K2
CO–3	interpret the distinguishing features of Micro and Macroeconomics, Cardinal utility and Ordinal Utility.	K3
CO–4	analyse Consumer's Equilibrium, Producer's Equilibrium, Production function and Returns to scale.	K4
CO–5	explain Cost functions, Revenue functions and Profit estimation	K4

Unit – I: Scope and Methodology of Microeconomics (21 Hours)

Meaning – Difference between Micro and Macroeconomics - Definition of Economics – Adam Smith - Marshall - Robbins -- Samuelson - Modern Microeconomics: Importance and Limitations - Methodology of Economics - Deductive and Inductive Methods - Static and Dynamics - Economic Laws.

Unit – II: Theory of Consumer Behaviour - Cardinal Utility Analysis (21 Hours)

Concept of Utility: Cardinal Utility - Ordinal Utility - Law of Diminishing Marginal Utility - Law of Equi-Marginal utility - Concepts of Demand and Supply -Law of Demand - Law of Supply - Elasticity of Demand - Price Elasticity of Demand - Income Elasticity of Demand - Cross Elasticity of Demand - Measurement of Elasticity of Demand - Factors influencing Elasticity of Demand - Concept of Demand Forecasting - Consumer's Surplus– Applications of Consumer's Surplus.

Unit – III: Theory of Consumer Behaviour - Ordinal Utility Analysis (21 Hours)

Indifference curve Technique - Features of Indifference curve - Consumer's Equilibrium - Price effect - Income effect - Substitution effect - Samuelson's Revealed Preference Theory.

Unit – IV: Theory of Production (21 Hours)

Factors of Production - Features - Production Function – Cobb-Douglas Production Function – Long-Run Production Theory: Law of Diminishing Returns, Law of Increasing Returns and Law of Constant Returns – Short- run Production Theory: Law of Variable Proportions - Returns to Scale - Equal Product Curves - Principle of DMRTS - Producer's Equilibrium:

Internal and External Economies and Diseconomies of Scale of Production – Role of Technology in Production.

Unit – V: Cost and Revenue Curves (21 Hours)

Concepts of Cost: Fixed cost -Variable cost -Total cost - Average cost - Marginal cost - Average cost curves - Nature of Short run and Long run Average cost curves - Derivation of LAC curve - Revenue Concepts - Total Revenue - Average Revenue and Marginal Revenue curves under different Market Structures - Relationship between Average Revenue and Marginal Revenue – Break-even analysis.

Case study: Consumer's preference about various goods and the estimation of consumer surplus if any.

Books for Study

1. S.Sankaran - *Economic Analysis*, Margham Publications, Madras, 2017
2. Salvatore - *Micro Economics*, 4/e, OUP, New Delhi, 2019.

Books for Reference

1. Ahuja H.L. (2018) - *Principles of Micro Economics*, A New Look at Economic Theory, S.Chand, New Delhi.
2. Dewett K.K - *Micro Economics*, S.Chand, New Delhi, 2019.
3. Jhingan M.L, (2018) *Micro Economic Theory*, Konark, New Delhi.

Relationship matrix for Course Outcomes, Programme Outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours		Credits	
I	21UEC13CC01		CORE-1: MICROECONOMICS-I					7		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	2	1	3	3	2	2	3	2.2
CO-2	2	3	2	1	2	3	3	2	2	3	2.3
CO-3	1	2	3	2	3	2	3	2	3	2	2.3
CO-4	1	2	2	3	1	2	3	2	2	3	2.1
CO-5	1	2	2	2	3	1	3	2	2	3	2.1
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21UEC13CC02	CORE – 2: INDIAN ECONOMIC DEVELOPMENT - I	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	remember the basic concepts of Indian economy.	K1
CO–2	understand the availability of natural resources of India.	K2
CO–3	apply the factors involved in HDI to attain the phase of development.	K3
CO–4	apply suitable measures to resolve the problems of poverty and unemployment.	K3
CO–5	analyse the functions of NITI Aayog.	K4

Unit – I: Characteristic Features of Indian Economy (18 Hours)

British Rule – Impact on Indian Economy - Characteristic Features of Indian Economy – Socialistic Pattern of Society – Meaning of Development and Growth – Sustainable Development Goals (SDGs).

Unit – II: Natural Resources (18 Hours)

Natural Resources: Land - Water - Forest – Minerals – Fisheries – Recent Policies of Indian Government.

Unit – III: Human Resources (18 Hours)

Demographic Features: size and growth rate of population - Sex composition - Age composition – Demographic Dividend - Density – Urbanization – Migration – Population Policy - Human Development Index (HDI).

Unit-IV: Unemployment and Poverty in India (18 Hours)

Meaning and causes of unemployment and poverty in India - Measures taken by the Government to solve unemployment and poverty – Food security – Food inflation - PDS – Nutritional security - Nutritious Noon-Meal Scheme - PURA (Vision 2020) – MGNREGP (Mahatma Gandhi National Rural Employment Guarantee Programme).

Unit-V Planning Commission and NITI Aayog in India (18 Hours)

Economic Planning - Meaning and significance of planning - Planning strategies of India - Broad objectives, Achievements and Failures of Planning – NITI Aayog - Structure and Functions.

Books for Study

1. Ruddar Datt and Sundharam K.P.M., *Indian Economy* (73rd Edition), Sultan Chand, New Delhi, 2020.
2. Uma Kapila, *Indian Economy*, 9th Edition, ISBN:8171887902, Published by Academic Foundation, 2010.

Books for References

1. Gaurav Datt & Ashwani Mahajan, *Indian Economy* (72nd Edition), S. Chand, New Delhi, 2018.
2. Dhingra I.C, *Indian Economy* (28th Edition), Sultan Chand & Co., New Delhi, 2014.
3. Ishwar.C.Dhingra, *The Indian Economy*, Twenty first edition, Sultan Chand, New Delhi, 2009.
4. Mishra & Puri - *Economics of Development and Planning*, Himalaya, Mumbai, 7th edition, 2005.
5. Meier, G.M. *Leading Issues in Economic Development*, O U P, New Delhi, 6th edition, 1995.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours		Credits	
I	21UEC13CC02		Core-2: Indian Economic Development- I					6		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	2	2	2	2	3	3	2	2	3	2.3
CO-2	2	3	2	1	2	2	2	2	2	3	2.1
CO-3	1	2	2	2	3	2	3	2	2	3	2.0
CO-4	1	2	3	2	3	2	3	2	3	2	2.3
CO-5	1	2	2	3	2	2	3	2	2	3	2.2
Mean overall Score											2.22 (High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21UEC13AC01	ALLIED: MATHEMATICAL METHODS IN ECONOMICS – I	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the basic concepts related to mathematics, symbols, numbers and equations.	K1
CO–2	interpret economic relationships through research problems.	K2
CO–3	use the analytical skills and forecasting techniques to quantify the economic problems.	K3
CO–4	apply the microeconomic theories to the practical household problems.	K3
CO–5	analyze the relationship between the variables and nature of relationship.	K4

Unit – I: Set Theory (18 Hours)

Importance of Mathematical methods in Economics - functions and their properties - Notations of Set - Types of Set - Venn diagram - Laws of Set - Operations in Set - Application in Economics.

Unit – II: Straight Line (18 Hours)

Slope – Intercept - Equations of Straight Line - Parallel Lines - Perpendicular lines - Point of intersection of two lines - Application of straight lines in Economics: Supply line - Demand line - Determination of equilibrium price and quantity - elasticity of demand.

Unit – III: Differentiation (18 Hours)

Process and Rules of Differentiation - Differentiation in polynomials x^n , $(ax+b)^2$; $\log x$, e^x , differential coefficient of sum, difference, product, quotient and power - Successive differentiation - Partial derivative - Given $U = f(x,y)$ and $U = f(x,y,z)$ - Higher order partial derivatives – Maxima and Minima with single variable.

Unit – IV: Application of Differentiation in Economics (18 Hours)

Marginal utility, cost and revenue curve applications - Marginal Revenue (MR) and Marginal Cost (MC) - Revenue maximization and Cost minimization.

Unit – V: Integral Calculus and its Applications in Economics (18 Hours)

Rules of Integration - Definite integral – Application in Economics – Total Revenue and Cost Concepts, Consumer's surplus and Producer's surplus.

Books for Study

1. *Schaum's Outline of Introduction to Mathematical Economists*, 3rd Edition, Edward Dowling, McGraw-Hill Education, 2011.
2. Bose, D. *An introduction to Mathematical Economics*, Himalaya Publishing House, Mumbai, 2010.

Books for Reference

1. Arul Jeganatharaj D, Gnanasekaran G and Stanly P, *Mathematics for Beginners*, Tiruchirappalli, 1989.
2. Agarwal C.S and. Joshi R.C, *Mathematics for Economists*, the New Academic Publishing Jalandhar, 1983.
3. K. Sydsaeter and P. Hammond, *Mathematics for Economic Analysis*, Pearson Educational Asia, Delhi, 2002.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code			Title of the Course					Hours		Credits
I	21UEC13AC01			Allied:Mathematical Methods in Economics-I					6		4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	3	1	1	3	3	2	2	2.2
CO-2	3	3	2	3	1	1	2	3	2	1	2.3
CO-3	2	3	3	3	1	1	2	3	2	3	2.3
CO-4	3	3	3	3	2	3	3	2	2	1	2.3
CO-5	3	3	2	2	1	2	3	2	3	3	2.4
Mean overall Score											2.3 (High)

Semester	Course Code	Title of the Course	Hours	Credits
I	21UHE14VE01	ESSENTIALS OF HUMANITY	2	1

CO No	CO – Statements	Cognitive Levels (K- levels)
	On completion of this course, the graduates will be able to:	
CO-1	recall the prescribed values and their dimensions	K1
CO-2	examine themselves by learning the developmental changes happening in the course of their life time	K2
CO-3	apply the trained values in their day today life	K3
CO-4	analyze themselves as responsible men and women	K4
CO-5	create a constructive approach to life	K5 & K6

Unit-I Principles of Value Education

(6 Hours)

Introduction to values - Characteristics and Roots of Values - Value Education & Value Clarification - Moral Characters - Kinds of Values - Objectives of Values.

Unit-II The Development of Human Personality

(6 Hours)

Personality: Introduction, Theories, Integration & Factors influencing the development of personality - SEL Series - Discovering self - Defense Mechanism - Power of positive thinking - Why worry?

Unit-III The Dimensions of Human Development

(6 Hours)

Areas of Development: Physical, Intellectual, Emotional, Social Development, Moral & Spiritual development

Unit-IV Responsible Parenthood

(6 Hours)

Human sexuality - Marriage and Family - Sex and Love - Characteristics of Responsible parent - Causes of Marriage disharmony - Art of wise parenting.

Unit-V Gender Equality and Empowerment

(6 Hours)

Historical perspective - Women in Independence struggle - Women in Independent India - Education & Economic development - Crimes against Women - Women rights - Time-line of Women Achievements in India

Books for Study

Department of Human Excellence. *Essentials of Humanity*, St. Joseph's College, Tiruchirappalli-02, 2021.

Books for Reference

1. Alphonse Xavier Dr SJ. *You Shall Overcome*, (6th Ed.) Chennai: ICRDCE Publication, 2012.
2. Alex K. *Soft Skills*, New Delhi: S. Chand, 2009.
3. Kalam Abdul APJ. *You Are Unique*, Bangalore: Punya Publishing, 2012.

Web Sources:

<http://livingvalues.net>. Accessed 05 Mar. 2021.

<https://www.apa.org/topics/personality#>. Accessed 05 Mar. 2021.

<https://www.peacecorps.gov/educators/resources/global-issues-gender-equality-and-womens-empowerment/>. Accessed 05 Mar. 2021.

Semester	Course Code	Title of the Course	Hours	Credits
II	21UTA21GL02	General Tamil -II	4	3

CO No.	CO- Statement	Cognitive Level (K- level)
இப்பாடத்தின் நிறைவில் மாணவர்கள்		
CO-1	தமிழிலக்கிய வரலாற்றில் சைவ, வைணவ இலக்கியங்கள் பெறும் இடத்தை அறிந்துகொள்வர்	K 1
CO-2	அகப்பொருள், புறப்பொருள் இலக்கணங்களின் அடிப்படை அறிவைப் பெறுவர்.	K 1
CO-3	காப்பியச் சுவையை மாணவர்கள் புரிந்துகொள்வர்	K 2
CO-4	இஸ்லாமிய இலக்கியச் சிந்தனைகளைப் பெறுவர்	K 3
CO-5	கிறித்தவ மதிப்பீடுகளைச் சிற்றிலக்கிய வகைகளின் வழியாகத் திறனாய்வர்.	K 4

அலகு - 1

(12 மணிநேரம்)

- சிலப்பதிகாரம் - கனாத்திறம் உரைத்த காதை
மணிமேகலை - ஆபுத்திரன் திறம் அறிவித்த காதை
இலக்கிய வரலாறு - சைவம் வளர்த்த தமிழ் முதல் புராணங்கள் முடிய.
இலக்கணம் - அகப்பொருள் இலக்கணம்

அலகு - 2

(12 மணிநேரம்)

- திருவாசகம் - திருச்சாழல்
சிவவாக்கியார் பாடல்கள் - 25 பாடல்கள் (04, 14, 16, 22, 27, 33, 34, 35, 36,37, 38, 47, 81, 91, 225, 237, 242, 495, 504, 520,522, 533, 534, 536, 548.)

அலகு - 3

(12 மணிநேரம்)

- நாலாயிர திவ்வியப் பிரபந்தம்- அமலானாதிபிரான் (10 பாடல்கள்)
- பெருமாள் திருமொழி (11 பாடல்கள்)
கம்பராமாயணம் - கைகேயி சூழ்வினைப்படலம்
உரைநடை - 7 முதல் 9 முடிய உள்ள கட்டுரைகள்

அலகு - 4

(12 மணிநேரம்)

- சீறாப்புராணம் - உடும்பு பேசிய படலம்
இலக்கணம் - புறப்பொருள் இலக்கணம்
இலக்கிய வரலாறு - தமிழ் இலக்கண நூல்கள் முதல் சிற்றிலக்கியங்கள் முடிய

அலகு - 5

(12 மணிநேரம்)

- திருக்காவலூர்க் கலம்பகம் - சமூக உல்லாசம்
உரைநடை - 10 முதல் 12 வரையிலான கட்டுரைகள்

பாடநூல்கள்:

1. பொதுத்தமிழ் - செய்யுள் திரட்டு, தமிழாய்வுத்துறை வெளியீடு, தூய வளனார் கல்லூரி. திருச்சிராப்பள்ளி, முதற்பதிப்பு, 2021
2. சமூகவியல் நோக்கில் தமிழிலக்கிய வரலாறு, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, பத்தாம் பதிப்பு, 2017
3. நற்றமிழ்க் கோவை (கட்டுரைத் தொகுப்பு). தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, முதற்பதிப்பு, 2021

Semester	Course Code		Title of the Course							Hours	Credit
II	21UTA21GL02		General Tamil -II							4	3
Course Outcomes (Cos)	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	2	1	2	3	2	2	2	3	2	2.1
CO-2	2	1	2	2	3	3	2	2	3	2	2.2
CO-3	2	1	2	2	3	3	2	2	3	2	2.2
CO-4	1	1	2	2	3	3	2	2	3	2	2.1
CO-5	1	1	2	2	3	2	2	3	3	2	2.1
Mean Overall Score											2.14 (High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21UFR21GL02	FRENCH – II	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	relate pronominal verbs in expressing one's day today activity.	K1
CO–2	compare the different types of articles.	K2
CO–3	construct texts using pronouns – passages and dialogues.	K3
CO–4	discover the food habits of the French culture.	K4
CO–5	appraise the French fashion.	K5

Unit - I (12 hours)

TITRE:LES LOISIRS

GRAMMAIRE : les adjectifs interrogatifs, les nombres ordinaux, les verbes pronominaux

LEXIQUE : les différentes activités quotidiennes, les loisirs, les activités quotidiennes, les matières

PRODUCTION ORALE : parler sur votre passe-temps

PRODUCTION ECRITE : décrire sa journée

Unit -II (12 hours)

TITRE:LA ROUTINE

GRAMMAIRE : les pronoms personnels COD, les verbes du premier groupe en e/er/eler/eter, le verbe prendre

LEXIQUE : exprimer ses goûts et ses préférences, le temps, l'heure, la fréquence

PRODUCTION ORALE : savoir comment dire l'heure

PRODUCTION ECRITE : écrire vos préférences en quelques lignes

Unit - III (12 hours)

TITRE:OU FAIRE SES COURSES?

GRAMMAIRE : les articles partitifs, le pronom en (la quantité), très ou beaucoup

LEXIQUE : inviter et répondre à une invitation, les commerces et les commerçants, demander et dire le prix, les quantités

PRODUCTION ORALE : faire des courses pour une soirée

PRODUCTION ECRITE : écrire un message en acceptant l'invitation

Unit - IV (12 hours)

TITRE:DECOUVREZ ET DEGUSTEZ

GRAMMAIRE : l'impératif, il faut, les verbes devoir, pouvoir, savoir, vouloir

LEXIQUE : Commander et commenter sur un plat de la carte, les aliments, les services, les moyens de paiement

PRODUCTION ORALE : Jeu de rôle – au restaurant (entre vous et le garçon)

PRODUCTION ECRITE : faire une comparaison avec la carte française et indienne

Unit - V (12 hours)

TITRE:TOUT LE MONDE S'AMUSE/ LES ADOS AU QUOTIDIEN

GRAMMAIRE : les adjectifs démonstratifs, le pronom indéfini on, le futur proche, le passé composé, les verbes en –tir, voir et sortir

LEXIQUE : connaître les marques connues sur les vêtements, les sorties, situer dans le temps, les vêtements et les accessoires

PRODUCTION ORALE : décrire une tenue
 PRODUCTION ECRITE : écrire une lettre amicale, une carte postale

Book for Study

P.Dauda,L.Giachino and C.Baracco, *Generation AI*, Didier, Paris 2016.

Books for Reference

1. J.Girardet and J.Pecheur, *Echo AI*, CLE International, 2^eedition,2017
2. Régine Mérieux and Yves Loiseau, *Latitudes AI*, Didier, 2012.
3. Isabelle Fournier, *Talk French*, Goyal Publishers, 2011

Web Resources

1. <https://www.frenchtoday.com/blog/french-verb-conjugation/french-reflexive-verbs-list-exercises/>
2. <https://www.fluentu.com/blog/french/french-subject-pronouns/>
3. <https://grammarist.com/french/french-partitive-article/>
4. <https://www.talkinfrench.com/guide-french-food-habits/>
5. <https://www.fluentu.com/blog/french/talking-about-clothes-in-french/>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code					Title of the Course					Hours	Credits
II	21UFR21GL02					FRENCH – II					4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	3	3	3	3	1	3	1	2	2	2	2.2	
CO-2	2	1	2	3	2	3	1	2	2	2	2.0	
CO-3	3	2	3	2	2	3	3	1	3	2	2.4	
CO-4	3	2	2	1	3	3	3	1	1	3	2.2	
CO-5	2	1	2	2	3	3	3	2	2	2	2.2	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UHI21GL02	HINDI - II	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, students will be able to	
CO -1	Find out the Terms & Expressions related to letter writing	K1
CO -2	Explain the works of Hindi writers	K2
CO -3	Complete the sentences in Hindi using basic grammar	K3
CO -4	Analyze the social & political conditions of Devotional period in Hindi Literature	K4
CO -5	Justify the human values stressed on the works of the following authors “Premchand, Nirala, etc.”	K5

Unit - I (12 Hours)

Kafan
Letter Writing - Chutti Patra
Bakthikal - Namakarn
Sarkari kariyalayom ka naam

Unit - II (12 Hours)

Baathcheeth - Dookan mein
kriya
Letter Writing - Rishthedarom ko patra
Bakthikal - Samajik Paristhithiyam

Unit - III (12 Hours)

Vah Thodthi patthar
Adverb
Letter Writing - Naukari keliye Avedan Patra
Bakthikal - Sahithiyik Paristhithiyam

Unit - IV (12 Hours)

Mukthi
Samas
Letter Writing - Kitab Maangne Keliye Patra
Bakthikal - Salient Features, Main Divisions

Unit- V**(12 Hours)**

Anuvad - 2

Sandhi

Letter writing - Nagarpalika ko Patra

Bakthikal - Visheshathayem

Books for Study

1. Viswanath Tripathy, *Kuchh Kahaniyan*, Rajkamal Prakashan Pvt. Ltd, New Delhi, 2018.

Unit-I Chapter 1

2. M.kamathaprasad Gupth, *Hindi Vyakaran*, Anand Prakashan, Kolkatta, 2020.

Unit-II, III and IV Chapter 2

3. Dr.Sadananth Bosalae, *kavya sarang*, Rajkamal Prakashan, New Delhi, 2020.

Unit-V Chapter 4**Books for Reference**

1. Adhunik Hindi Vyakaran our Rachana, bharati bhawan publishers & distributors, 2018.
2. Acharya ramchandra shukla, Hindi Sahitya Ka Itihas, Prabhat Prakashan, 2021.
3. Krishnakumar Gosamy, Anuvad vigyan ki Bhumika, Rajkamal Prakashan, 2016.
4. Aravind Kumar, Sampoorana Hindi Vyakaran our Rachana, Lucent publisher, 2019.
5. Lakshman prasad singh, Kavya ke sopan, Bharathy Bhavan Prakashan, 2017.

Web Resources

1. <https://youtu.be/tE2RHQcqlbI>
2. <https://youtu.be/Xxvco3qa284>
3. <https://youtu.be/1z8x95IFGi4>
4. <https://youtu.be/CBMYf8NRLW4>
5. <https://youtu.be/h31tMLFtHs>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code		Title of the Paper								Hours	Credits
II	21UHI21GL02		HINDI - II								4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	3	3	2	2	3	3	3	2	2	2.5	
CO-2	1	3	1	2	2	3	3	3	2	3	2.3	
CO-3	3	2	3	2	2	3	2	3	2	2	2.4	
CO-4	2	3	3	1	3	2	3	2	1	2	2.2	
CO-5	3	2	2	2	3	2	3	2	3	2	2.4	
Mean Overall Score											2.36	(High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21USA21GL02	SANSKRIT - II	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, the student will be able to	
CO-1	remembering names of different objects , remembering different verbal forms and sandhi.	K1
CO-2	contrast different verbal forms Explain good sayings , Relate good saying to life.	K2
CO-3	apply and build small sentences.	K3
CO-4	analyze different forms of Verbs and nouns.	K4
CO-5	appreciate subhashitas and Sanskrit poetry Expand Sanskrit vocabulary.	K5

Unit - I (12 Hours)

Asmath usmath tat kim (MFN)

Unit - II (12 Hours)

Sandhi Niyamaaha Abuyaasha (Guna , Visarga , Dirgha , Vrddhi)

Unit - III (12 Hours)

Lang lakaaraha Kriyapadaani

Unit - IV (12 Hours)

Raguvamsaha Pratama sargaha (1 –15)

Unit - V (12 Hours)

Suvachana Prayogha

Book for Study

SARALASAMKRITHAM SIKSHA, 2020 , K.M Saral sankrit Balabodh , Bharathiys Vidya Bhavan , Munshimarg Mumbai – 400007, 2018

Books for Reference

1. Paindrapuram Ashram , Srirangam – 620006 Gopalavimshanthi 2019
2. R.S.Vadhyar & Sons book Kulapthy , K.M Saral sankrit Balabodh , Bharathiys Vidya Bhavan , Munshimarg Mumbai – 400007, 2018

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
II	21USA21GL02	SANSKRIT -II									4	2
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	1	3	2	2	2	3	3	2	1	2.1	
CO-2	3	2	3	2	2	3	2	3	3	2	2.5	
CO-3	2	2	3	2	2	2	2	3	3	1	2.1	
CO-4	3	2	3	3	1	2	3	3	3	1	2.4	
CO-5	3	2	2	2	3	2	2	3	3	1	2.3	
Mean Overall Score											2.28	
Result											# High	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UEN22GE02	GENERAL ENGLISH - II	5	3

CO No.	CO-Statements	Cognitive Levels (K- Levels)
	On successful completion of this course, students will be able to	
CO-1	remember the use of suitable punctuation marks in appropriate places	K1
CO-2	describe their pictures with appropriate expressions	K2
CO-3	infer meaning from the given context	K3
CO-4	analyse real-life situations and ask open-ended questions	K4 & K5
CO-5	use polite expressions in appropriate ways	K6

Unit-I

(15 Hours)

01. Education Word Grid
02. Reading Problems and Solutions
03. Syllabification
04. Forms for Expressing Quality
05. Expressing Comparison
06. Monosyllabic Comparison
07. Di/polysyllabic Comparison
08. The Best Monosyllabic Comparison
09. The Best Di/Polysyllabic Comparison
10. Practising Quality Words

Unit –II

(15 Hours)

11. Wh Words
12. Yes/No Recollection
13. Unscramble Wh Questions
14. Wh Practice
15. Education and the Poor
16. Controlled Role Play
17. Debate on Education
18. Education in the Future
19. Entertainment Word Grid
20. Classify Entertainment Wordlist
21. Guess the Missing Letter
22. Proverb-Visual Description
23. Supply Wh Words
24. Rearrange Questions
25. Information Gap Questions

Unit-III**(15 Hours)**

26. Asking Questions
27. More about Actions
28. More about Actions and Uses
29. Crime Puzzle
30. Possessive Quiz
31. Humorous News Report
32. Debate on Media and Politics
33. Best Entertainment Source

Unit-IV**(15 Hours)**

34. Career Word Grid
35. Job-Related Wordlist
36. Who's Who?
37. People at Work
38. Humour at Workplace
39. Profession in Context
40. Functions and Expressions
41. Transition Fill-in
42. Transition Word Selection
43. Professional Qualities
44. Job Procedures
45. Preparing a Resume
46. Interview Questions
47. Job Cover Letter Format
48. Emailing an Application
49. Mock Interview

Unit-V**(15 Hours)**

50. Society Word Grid
51. Classify Society Wordlist
52. Rearrange the Story
53. Storytelling
54. Story Cluster
55. Words Denoting Time
56. Expressing Time
57. What Can You Buy?
58. Noise Pollution
59. Positive News Headlines
60. Negative News Headlines
61. Matching Conditions
62. What Would You Do?
63. If I were Elected
64. My Dream Country

Book for Study

Joy, J.L. & Peter, F.M. *Let's Communicate 2*, New Delhi: Trinity Press, 2014.

Books for Reference

1. Ahrens, Sönke. *How to Take Smart Notes: One Simple Technique to Boost Writing, Learning and Thinking*. New York: CreateSpace, 2017.
2. Aspinall, Tricia. *Test Your Listening*. London: Pearson, 2002.
3. Bailey, Stephen. *Academic Writing: A Practical Guide for Students*. New York: Routledge, 2004'
4. Fitikides, T.J. *Common Mistakes in English* (6th ed.). London: Longman, 2002
5. Wainwright, Gordon. *How to Read Faster and Recall More: Learn the Art of Speed Reading with Maximum Recall* (3rd ed.). Oxford: How to Books, 2007.

Web Resources

1. <https://learnenglish.britishcouncil.org/>
2. <https://oneminuteenglish.org/en/best-websites-learn-english/>
3. <https://www.dailywritingtips.com/best-websites-to-learn-english/>

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester	Course Code		Title of the Course								Hours	Credits
II	21UEN22GE02		GENERAL ENGLISH - II								5	3
Course Outcomes (COs)	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5		
CO-1	2	3	2	2	3	2	3	2	3	2	2.4	
CO-2	2	2	3	2	3	3	2	3	2	2	2.3	
CO-3	2	3	2	3	2	2	3	2	3	2	2.4	
CO-4	2	2	3	2	3	3	2	3	2	3	2.5	
CO-5	2	2	2	3	2	2	2	3	2	2	2.2	
Mean Overall Score											2.36 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UEC23CC03	CORE – 3: MICROECONOMICS - II	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the market structure, behaviour of the producer and Equilibrium of the firm/industry	K1
CO–2	explain resource allocation on social perspective, product pricing and the Monopoly price discrimination	K2
CO–3	illustrate the concept of prevailing market structures, illusory advertisements and price leadership tending to Monopoly.	K3
CO–4	analyse Factor pricing and point out reasons for wage differential on social perspective.	K4
CO–5	connect Economic theories with concept of Social welfare.	K4

Unit – I: Theory of Product Pricing (18 Hours)

Market structure - Meaning and elements – Types - Perfect competition - Price and Output determination - Equilibrium of the firm and industry in the short-run and long-run - Role of time element.

Unit – II: Monopoly (18 Hours)

Simple Monopoly - Discriminating Monopoly - Price and Output determination under simple Monopoly - Concept of Bilateral Monopoly - Monopsony - Duopoly.

Unit – III: Monopolistic Competition & Oligopoly (18 Hours)

Features of Monopolistic Competition - Equilibrium of Firm and Industry under short-run and long- run (Group Equilibrium) - Selling cost - Oligopoly: Features – Price determination - Kinked demand curve model - Price leadership model.

Unit – IV: Theory of Factor Pricing (18 Hours)

Marginal productivity theory of distribution – Rent: Ricardian theory of rent - Modern theory of rent – Wages: Real and Nominal Wage -- Demand and supply theory - Causes for wage difference - Trade Unions and Wages – Interest: Classical – Neoclassical - Keynes and Modern theory of Interest – Profit: Gross and Net Profit - Theories of Profit - Risk and uncertainty theory - Innovation theory.

Unit – V: Welfare Economics (18 Hours)

Meaning of Social Welfare - Different concepts of Social Welfare - Pareto criteria – Amartya Sen’s views on Welfare Economics.

Case study: Undertaking surveys to know the advertisement strategies of a few leading firms in the city.

Books for Study

1. Ahuja H.L., (2019) *Principles of Micro Economics*, S.Chand, New Delhi.
2. Sankaran S, *Economic Analysis*, Margham Publications, Madras,2018

Books for References

1. Stonier and Hague, *A Text Book of Economic Theory*, (1958), Long Mans Green &Co., London.
2. Seth, M. L. (2019) *Principles of Economics*, Lakshmi Narain Agarwal, Agra.
3. Samuelson Paul, A., *Price Theory*, McGraw-Hill School Education Group.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course					Hours	Credits			
II	21UEC23CC03	CORE-3 MICROECONOMICS-II					6	4			
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	2	1	3	3	2	2	3	2.2
CO-2	2	3	2	1	2	3	3	2	2	3	2.3
CO-3	1	2	3	2	3	2	3	2	3	2	2.3
CO-4	1	2	2	3	1	2	3	2	2	3	2.1
CO-5	1	2	2	2	3	1	3	2	2	3	2.1
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21UEC23CC04	CORE – 4: INDIAN ECONOMIC DEVELOPMENT – II	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	remember the basic concepts of various sectors in India.	K1
CO–2	understand the efficacy of Industrial Policies of India	K2
CO–3	discuss the importance of physical infrastructure	K2
CO–4	apply the social infrastructure to attain the phase of Development.	K3
CO–5	analyze the performance of various sectors in India.	K4

Unit – I: Nature and Significance of Agriculture (15 Hours)

Nature and importance of agriculture – Green revolution - Agricultural production and Productivity - Factors influencing agricultural development - Agricultural marketing - Sources of agricultural finance – Agricultural labour in India - New development concepts: Traditional farming – Organic farming - Precision farming – Corporate farming – Genetically Modified (GM) Seeds – Sustainable agriculture - Second Green revolution.

Unit – II: Industries in India (15 Hours)

Pattern of Industrialization - Industrial Policy: 1948, 1956, 1991 and recent Industrial Policy 2020 - Role of industries in economic development – Major industries: Cotton Textile industry - Iron and Steel industry and Cement industry - Role and problems of Medium, Small Scale and Cottage Industries.

Unit – III: Services Sector in India (15 Hours)

Role of Services Sector in economic development – Banking – Insurance Telecommunications – IT Industry – ITES- Education and Health – Health Tourism.

Unit – IV: Physical Infrastructure (15 Hours)

Infrastructure and economic development - Transport: Railways, Roads, Shipping and Airways –Energy - Power.

Unit – V: Economic Reforms (15 Hours)

Public Sector: Role and Importance - Private Sector - Corporate Sector - Economic Reforms and New Economic Policy 1991 - Liberalization, Privatization and Globalization – WTO-MNCs – Second Generation Reforms – Demonetisation – GST and its impact on Indian Economy.

Books for Study

1. RuddarDatt and Sundharam K.P.M., *Indian Economy* (73rd Edition), Sultan Chand, New Delhi, 2020.
2. Uma Kapila, *Indian Economy*, 9th Edition, ISBN: 8171887902, Published by Academic Foundation, 2010.

Books for References

1. Gaurav Datt & Ashwani Mahajan, *Indian Economy* (72nd Edition), S. Chand, New Delhi, 2018.
2. Dhingra I.C, *Indian Economy* (28th Edition), Sultan Chand & Co., New Delhi, 2014.
3. Ishwar.C.Dhingra, *The Indian Economy*, Twenty first edition, Sultan Chand, New Delhi, 2009.
4. Mishra & Puri, *Economics of Development and Planning*, Himalaya, Mumbai, 7th edition, 2005.
5. Meier, G.M, *Leading Issues in Economic Development*, OUP, New Delhi, 6th edition, 1995.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code					Title of the Course					Hours	Credits
II	21UEC23CC04					CORE-4: INDIAN ECONOMIC DEVELOPMENT -II					5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	1	3	3	2	2	3	2.2	
CO-2	1	2	3	2	3	2	3	2	3	2	2.3	
CO-3	1	2	2	2	3	1	3	2	2	3	2.1	
CO-4	2	3	2	1	2	3	3	2	2	3	2.3	
CO-5	2	2	2	3	1	2	3	2	2	3	2.2	
Mean overall Score											2.22 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
II	21UEC23AC02	ALLIED : MATHEMATICAL METHODS IN ECONOMICS- II	6	4

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the following mathematical tools: matrices, determinants, matrix inverse, linear programming and econometrics.	K1
CO-2	associate mathematical techniques like matrices, linear programming and game theory in economic models.	K2
CO-3	predict mathematical and economic models that contribute to sustainable environment.	K3
CO-4	analyse economic relationships through research problems.	K4
CO-5	solve real life socio-economic problems by incorporating quantitative techniques.	K4

Unit – I: Progression, Relations and Functions

(18 Hours)

Ratio – Proportion – Progression - Arithmetic and Geometric Progression, Functions - types of functions – Application in Economics.

Unit – II: Matrix - I

(18 Hours)

Matrix - Meaning and types - Operation of matrix: addition, subtraction, multiplication, division – Determinant – Properties of determinant.

Unit – III: Matrix - II

(18 Hours)

Rank of matrix - Trace of matrix - Inverse: properties of inverse – Solution to linear equations - Cramer's rule – Inverse method – Applications in Economics: Input - Output analysis (introduction and concepts alone)

Unit – IV: Linear Programming

(18 Hours)

Meaning - Basic concepts – Graphical solution to Linear Programming Problem (LPP) (only two variables) – Dual Method.

Unit – V: Introduction to Game Theory

(18 Hours)

Meaning – Concepts – Significance – Types: Pure and Mixed Strategy games – Applications and limitations of Game theory.

Books for Study

1. Agarwal, C. S. And Joshi, R. C., *Mathematics for Economists*, The New Academic, Jalandhar, 2017.

2. Bose, D., *An Introduction to Mathematical Economics*, Himalaya Publishing House, Mumbai, 2018

Books for References

1. Singh Parasher Singh, *An Introduction to Econometrics*, Sterling, New Delhi, 1998.
2. Domodar N Gujarati, *Basic Econometrics*, Tata McGraw Hill Education, New Delhi, 2007.
3. *Schaum's Outline of Introduction to Mathematical Economists*, 3rd Edition, Edward Dowling, McGraw Hill Education, 2011
4. Mehta and Madani, *Mathematical Economics*, S. Chand, New Delhi.
5. Malcolm Pemberton Nicholas Rau, *Mathematics for Economists*, Viva Books, 2017

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
II	21UEC23AC02	ALLIED : MATHEMATICAL METHODS IN ECONOMICS II									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	1	1	2	3	2	2	2	1	1.8	
CO-2	2	2	1	2	1	2	3	3	2	1	1.9	
CO-3	3	2	2	2	1	1	2	3	2	2	2	
CO-4	3	3	2	3	1	2	2	3	2	1	2.2	
CO-5	2	2	2	2	3	1	2	2	3	2	2.1	
Mean overall Score											2.2	(High)

Semester	Course Code	Title of the Course	Hours	Credits
II	21UHE24AE02	Environmental Studies	2	2

CO No.	CO - Statements	Cognitive Level
	On Completion of this course, the graduates will be able to:	
CO-1	identify the concepts related to the environmental global scenario	K1
CO-2	comprehend the natural resources and environmental organizations	K2
CO-3	apply the acquired knowledge to sensitize individuals and public about the environmental crisis	K3
CO-4	analyze the causes and changes in the structure of biodiversity	K4
CO-5	enhance their skills in the society by solving the environmental problems and preserving nature by the acquired knowledge	K5

Unit I Introduction to Environmental Studies (6 Hours)

Introduction – Scope and Importance – Subsystems of Earth – Various recycling Methods – Environmental Movements in India – Eco- Feminism – Public awareness – Suggestions to conserve environment

Unit II Natural Resources (6 Hours)

Food Resources – Land Resources – Forest resources – Mineral Resources – Water Resources – Energy Resources

Unit III Ecosystems, Biodiversity and Conservation (6 Hours)

General structure of ecosystem - Functions of Ecosystem - Energy flow and Ecological pyramids – Levels of Biodiversity - Hot spots of Biodiversity - Endangered and Endemic Species - Value of Biodiversity - Threats to Biodiversity - Conservation of Biodiversity

Unit IV Environmental Pollution (6 Hours)

Air Pollution – Water Pollution – Oil Pollution – Soil Pollution – Marine Pollution – Noise Pollution - Thermal Pollution – Radiation Pollution

Unit V Environmental Organizations and Treatise (6 Hours)

United Nations Environment Program (UNEP) - International treaties on Environmental protection - Ministry of Environment, Forest and Climate Change - Important National Environmental Acts and rules– Environmental Impact Assessment.

Books for Study

Department of Human Excellence, *Environmental Studies*, St. Joseph's College, Tiruchirappali-02, 2021.

Books for Reference

1. Rathor, V.S. and Rathor B. S. *Management of Natural Resources for Sustainable Development*. New Delhi: Daya Publishing House, 2013.
2. Sharma P.D, *Ecology and Environment*, 8 ed., Meerut: Rastogi Publications, 2010.
3. Agrawal, A and C.C. Gibson. *Introduction: The Role of Community in Natural Resource Conservation*. NJ: Rutgers University Press, 2001.

Web Sources:

<https://www.unep.org/>. Accessed 05 Mar. 2021.
<http://moef.gov.in/en/> Accessed 05 Mar. 2021.
<https://www.ipcc.ch/reports/>. Accessed 05 Mar.2021.

Semester	Course Code	Title of the Course	Hours	Credits
II	21UHE14VE02	TECHNIQUES OF SOCIAL ANALYSIS: FUNDAMENTALS OF HUMAN RIGHTS	2	1

CO No.	CO - Statements	Cognitive level
	On completion of this course, the graduates will be able to:	
CO-1	identify the importance and the values of human rights	K1
CO-2	understand the historical background and the development of Human Rights and the related organizations	K2
CO-3	apply the provisions of National and International human rights to themselves and the society	K3
CO-4	analyse the violations of human rights to the marginalized section in the society	K4
CO-5	animate the people to involve in the struggles and activities of the human rights organizations	K5

Unit-I Human Rights - An Introduction (6-Hours)

Introduction- Classification of Human Rights- Scope of Human Rights-Characteristics of Human Rights-NHRC-SHRC- Challenges for Human Rights in the 21st Century.

Unit-II Historical Development of Human Rights (6-Hours)

Human Rights in Pre-World War Era- Human Rights in Post-World War Era- Evolution of International Human Rights Law - the General Assembly Proclamation- Institution Building, Implementation and the Post- Cold War Period. The ICC.

Unit-III India and Human Rights (6-Hours)

Introduction-Classification of Fundamental Rights-Salient Features of Fundamental Rights- and Fundamental Duties.

Unit-IV Human Rights of Women and Children (6-Hours)

Women's Human Rights- Issues related to women's rights - and Rights of Women's and Children

Unit-V Human Rights Violations and Organizations (6-Hours)

Human Rights Violations - Human Rights Violations in India - the Human Rights Watch Report, January 2012- Human Rights Organizations.

Books for Study:

1. The Department of Human Excellence, *Techniques of Social Analysis: Fundamentals of Human Rights*, St. Joseph's college, Tiruchirappalli -02, 2021.

Books for Reference:

1. Venkatachalem. Dr. *The Constitution of India*, Salem: Giri Law House, 2005.
2. Naik Varun and Mukesh Shany. *Human rights education and training*, New Delhi: crescent Publishing Corporation, 2011.
3. Bhathoke Neera. *Human Rights content and extent*, New Delhi: swastika publications, 2011.

Web Sources:

<https://www.un.org/en/universal-declaration-human-rights/>. Accessed 05 Mar. 2021.

<https://www.ilo.org/global/lang-en/index.htm>. Accessed 05 Mar. 2021.

<https://www.amnesty.org/en/>. Accessed 05 Mar. 2021.

Semester	Course Code	Title of the Course	Hours	Credits
III	21UTA31GL03	General Tamil -III	4	3

CO No.	CO- Statement	Cognitive Level (K- level)
இப்பாடத்தின் நிறைவில் மாணவர்கள்		
CO-1	சங்க இலக்கிய வகைகளை நினைவுகூருவர்	K 1
CO-2	இலக்கியத்தினை நுட்பமாக அறிதலின் வழியாக ஆற்றுப்படுத்தும் திறன் பெறுவர்	K 2
CO-3	இலக்கிய அறநெறிகளைத் தற்கால வாழ்வியலில் பயன்படுத்தும் திறன் பெறுவர்	K 3
CO-4	அகம் மற்றும் புற இலக்கியத் திணை, துறைகளைப் பகுத்தாராய்வர்	K 4
CO-5	யாப்பு, அணி இலக்கண நுட்பங்களை இலக்கியங்களில் மதிப்பிடுவர்	K 5

அலகு - 1 (12 மணிநேரம்)

பொருநராற்றுப்படை (முழுமையும்)

அலகு - 2 (12 மணிநேரம்)

நற்றிணை - 5 பாடல்கள் - (1, 19, 21, 70, 148)

ஐங்குறுநூறு - அன்னாய் வாழிப்பத்து.

யாப்பிலக்கணம் - வெண்பா, ஆசிரியப்பா

அலகு - 3 (12 மணிநேரம்)

கலித்தொகை - (குறிஞ்சிக்கலி- 62, பாலைக்கலி -22, மருதக்கலி- 87,

நெய்தற்கலி-149, முல்லைக்கலி - 116)

இலக்கிய வரலாறு - முதற்பாகம் ('தமிழ் மொழியின் தொன்மையும் சிறப்பும்' முதல்

'சங்க தொகை நூல்கள்' முடிய),

புதினம் - குடும்ப அட்டை (2022-2023)

அலகு - 4 (12 மணிநேரம்)

பதிற்றுப்பத்து - 3 பாடல்கள் (14, 32, 61)

புறநானூறு - 5 பாடல்கள் (95, 121, 130, 204, 279)

அணியிலக்கணம்

அலகு - 5 (12 மணிநேரம்)

திருக்குறள் - புறங்கூறாமை, பழமை, புலவி நுணுக்கம் ஆகிய அதிகாரங்கள்
 திரிகடுகம் - 5 பாடல்கள் (2, 6, 12, 15, 42)

இலக்கிய வரலாறு - சங்க இலக்கியங்களின் தனித்தன்மைகள் முதல் இரட்டைக் காப்பியங்கள் முடிய

பாடநூல்கள் :

1. பொதுத்தமிழ் செய்யுள் திரட்டு, தமிழாய்வுத்துறை வெளியீடு, தூய வளனார் கல்லூரி, திருச்சிராப்பள்ளி-2, முதற்பதிப்பு, 2021
 2. சமூகவியல் நோக்கில் தமிழிலக்கிய வரலாறு, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, பத்தாம் பதிப்பு, 2017
 3. புதினம் (ஒவ்வொரு கல்வியாண்டிற்கும் ஒவ்வொரு புதினம்)
- 2022 – 2023 கல்வியாண்டுக்கு மட்டும் : வீ.செந்தில் குமார், குடும்ப அட்டை, தாமரை பப்ளிகேஷன்ஸ் பிரைவேட் லிமிடெட், சென்னை, முதற்பதிப்பு, 2009

Semester	Course Code		Title of the Course								Hours	Credit
III	21UTA31GL03		General Tamil -III								4	3
Course Outcomes (COs)	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	2	3	2	3	3	2	2.5	
CO-2	2	2	2	3	3	2	2	3	3	2	2.4	
CO-3	3	3	2	3	3	2	2	3	3	3	2.7	
CO-4	3	2	2	3	2	3	2	3	2	3	2.5	
CO-5	2	3	2	3	2	3	2	3	2	3	2.5	
Mean Overall Score											2.52 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UFR31GL03	FRENCH – III	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to;	
CO–1	relate colours, materials and shapes to the french clothing.	K1
CO–2	select appropriate prepositions in giving directions.	K2
CO–3	construct a text in present tense using different verbs.	K3
CO–4	examine the travel manners and celebrations of the French.	K4
CO–5	justify the usage of past tense in a biography.	K5

Unit – I (12 hours)

TITRE:VIVRE LAVILLE

GRAMMAIRE : la comparaison, les prépositions avec les noms géographiques, les pronoms personnels COI, le pronom y (le lieu)

LEXIQUE : se repérer sur un plan de ville, la ville, les lieux de la ville

PRODUCTION ORALE : demander et indiquer une direction dans un dialogue

PRODUCTION ECRITE : décrire votre ville natale, créez les affiches en appréciant votre ville

Unit - II (12 hours)

TITRE:VISITER UNE VILLE

GRAMMAIRE : la position des pronoms compléments, les verbes du premier groupe en – ger et – cer, les verbes ouvrir et accueillir

LEXIQUE : dire les informations sur une ville de votre choix, les transports, les points cardinaux, les prépositions de lieu

PRODUCTION ORALE : Indiquer le chemin

PRODUCTION ECRITE : Demander des renseignements touristiques

Unit - III (12 hours)

TITRE:ON VEND OU ON GARDE

GRAMMAIRE : la formation du pluriel, les adjectifs de couleurs, l'adjectif beau, nouveau,vieux

LEXIQUE : savoir comment s'habiller des grandes occasions, les couleurs, les formes, les matériaux

PRODUCTION ORALE : comprendre une présentation de catalogues vestimentaires en France

PRODUCTION ECRITE : adresser des souhaits à quelqu'un

Unit - IV (12 hours)

TITRE:VENTES D'AUTREFOIS, VENTES D'AUJOURD'HUI

GRAMMAIRE : les pronoms relatifs qui et que, l'imparfait, les verbes connaître, écrire,

mettre et vendre, la question avec inversion

LEXIQUE : comprendre la description de personnes dans un extrait de roman, les mesures, l'informatique

PRODUCTION ORALE : imaginez un dialogue avec un personnage célèbre. Utilisez l'inversion.

PRODUCTION ECRITE : écrire une biographie en utilisant les pronoms relatifs

Unit- V

(12 hours)

TITRE:FELICITATIONS ! / ON VOYAGE!

GRAMMAIRE : les pronoms démonstratifs, les articles : particularités, les pronoms interrogatifs variables : lequel, les adverbes de manières, les verbes recevoir et conduire

LEXIQUE : les moyens de transports, les voyages, les fêtes, l'aéroport et l'avion, la gare et le train, l'hôtel

PRODUCTION ORALE : Présenter ses vœux

PRODUCTION ECRITE : Faire une réservation

Book for Study

P.Dauda,L.Giachino and C.Baracco, *Generation A2*, Didier, Paris 2016.

Books for Reference

1. J.Girardet and J.Pecheur, *EchoA2*, CLE International, 2^eedition,2017
2. Régine Mérieux and Yves Loiseau, *Latitudes A2*, Didier, 2012.
3. Isabelle Fournier, *Talk French*, Goyal Publishers, 2011

Web Resources

1. <https://français.lingolia.com/en/grammar/prepositions>
2. <https://www.lawlessfrench.com/grammar/present-tense/>
3. <https://www.thoughtco.com/textures-french-adjectives-and-expressions-1368980>
4. <https://study.com/academy/lesson/past-tense-in-french.html>
5. <https://absolutely-french.eu/french-celebrations/?lang=en>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours		Credits	
III	21UFR31GL03		FRENCH – III					4		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO–1	2	1	2	2	3	2	3	1	2	3	2.1
CO–2	3	2	3	3	1	2	1	2	2	3	2.2
CO–3	2	1	3	2	2	3	1	3	2	2	2.1
CO–4	3	1	3	2	3	3	3	1	2	3	2.4
CO–5	3	2	3	2	2	3	3	2	2	1	2.3
Mean overall Score											2.22 (High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21UHI31GL03	HINDI - III	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, students will be able to	
CO-1	find out the dialects of Hindi language.	K1
CO-2	compare the poems of Sumithra Nandanpanth, Prasad & Bachan in Context with their experience of life.	K2
CO-3	illustrate the importance given to family ethics by the youth in the modern period according to “Bahoo Ki vidha” One Act play.	K3
CO-4	categorize the poetics in some selective poems.	K4
CO-5	justify the social & political conditions of Devotional period in Hindi Literature.	K5

Unit - I (12 Hours)

Tera sneh na khoon
Samband Bodak
Reethikal - Namakarn
Tense

Unit - II (12 Hours)

Himadri Thung Sring Se
Paribakshik shabdavali
Samuchaya Bodak
Reethikal - Samajik Paristhithiyam

Unit - III (12 Hours)

Insan our Kuthae
Vismayadi Bodak
Reethikal - Sahithyik Paristhithiyam
Reethikal - Salient Features

Unit - IV (12 Hours)

Shokgeeth
Avikary shabdh
Reethikal - Main Divisions
Social media and modern world

Unit - V (12 Hours)

Reethikal - Visheshathayem

Anuvad – 3
Bahoo ki vidha (one act play)

Books for Study

1. Dr. Sanjeev Kumar Jain, Anuvad: Siddhant Evam Vyavhar, Kailash Pustak Sadan, Madhya Pradesh, 2019.
Unit-I Chapter 1
2. M. Kamathaprasad Gupth, *Hindi Vyakaran*, Anand Prakashan, Kolkatta, 2020.
Unit-II, III and IV Chapter 2
3. Dr. Sadananth Bosalae, *kavya sarang*, Rajkamal Prakashan, New Delhi, 2020.
Unit-V Chapter 4

Books for Reference

1. Ramdev, Vyakaran Pradeep, Hindi Bhavan, 2016.
2. Lakshman prasad singh, Kavya ke sopan, Bharathy Bhavan Prakashan, 2017.
3. Acharya ramchandra shukla, Hindi Sahitya Ka Itihas, Prabhat Prakashan, 2021.
4. Hindi Niband Sangrah, V&S Publishers, 2015.
5. Krishnakumar Gosamy, Anuvad vigyan ki Bhumika, Rajkamal Prakashan, 2016.

Web Resources

1. <https://youtu.be/Xxvco3qa284>
2. <https://youtu.be/e9wK-pYfVPc>
3. https://youtu.be/75tHr53f5_o
4. https://youtu.be/eFNM6y_cpjY
5. <https://youtu.be/jHWXWLMxJtw>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code		Title of the Course							Hours	Credits
III	21UHI31GL03		HINDI - III							4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO-1	3	2	3	3	2	3	2	1	3	2	2.4
CO-2	3	2	3	2	2	3	2	3	2	3	2.5
CO-3	3	2	2	3	1	3	2	3	2	3	2.4
CO-4	2	3	3	2	3	2	3	3	2	1	2.4
CO-5	3	2	2	3	3	2	1	3	2	3	2.4
Mean Overall Score											2.42 (High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21USA31GL03	SANSKRIT - III	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, the student will be able to	
CO-1	remember Characters and events of Ramayana.	K1
CO-2	understand social ethics and moral duties.	K2
CO-3	apply the values learnt , in day to day life.	K3
CO-4	analyzing the Vedic Philosophy.	K4
CO-5	evaluate and create new words with upasargas.	K5

Unit - I (12 Hours)
Romodantam , Balakandam (1-15)

Unit - II (12 Hours)
Romodantam , Balakandam (15-30)

Unit - III (12 Hours)
Vedas – Vedangas vivaranam

Unit - IV (12 Hours)
Puranas .Upanishands

Unit - V (12 Hours)
Upasargas , Bhavishyat Kaalah

Book for Study
VEDIC LITERATURE, 2019

Books for Reference

1. Parameshwara, Ramodantam, LIFCO Chennai 2018
2. R.S.Vadhyar & Sons , Book – sellers and publishers , Kalpathu ,Palghat – 678003 , Kerala , south India , History of Sanskrit Literature 2019
3. Kulapathy , K.M Saral Sanskrit Balabodh , Bharathita vidya bhavan , Munshimarg Mumbai – 400 007 2018

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
III	21USA31GL03	SANSKRIT-III									4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	1	2	2	3	3	3	3	3	2	1	2.3	
CO-2	3	3	2	3	3	2	2	3	3	3	2.7	
CO-3	3	3	1	3	3	1	1	3	3	3	2.4	
CO-4	2	2	1	2	3	2	2	3	2	1	2.0	
CO-5	3	3	2	3	2	2	3	3	3	2	2.6	
Mean Overall Score											2.4	
Result											# High	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEN32GE03	GENERAL ENGLISH - III	5	3

CO No.	CO-Statements	Cognitive Levels (K-Levels)
	On successful completion of this course, students will be able to	
CO -1	recall the meaning of familiar words in different contexts	K1
CO-2	comprehend the complex written texts by guessing meaning of unfamiliar words using contextual clues	K2
CO-3	use tenses and punctuations appropriately in sentences	K3
CO-4	analyse formal and informal letters to rewrite them meaningfully	K4
CO-5	compare different genres of writing and construct paragraphs	K5 & K6

Unit-I

(15 Hours)

1. Suggestions to Develop Your Reading Habit
2. General Writing Skill: Letter Writing – Informal
3. Grammar: Simple Present Tense

Unit-II

(15 Hours)

4. The Secret of Success: An Anecdote
5. General Writing Skill: Letter Writing – Formal
6. Grammar: Present Continuous Tense

Unit-III

(15 Hours)

7. The Impact of Liquor Consumption on the Society
8. General Writing Skill: Letter to Newspaper
9. Grammar: Simple Past Tense

Unit-IV

(15 Hours)

10. Dr. A.P.J. Abdul Kalam: A Short Biography
11. General Writing Skill: Job Application Letter
12. Grammar: Past Continuous Tense

Unit-V

(15 Hours)

13. Golden Rule: A Poem
14. General Writing Skill: Circular-Writing
15. Grammar: Simple Future Tense and Future Continuous Tense

Book for Study

Jayraj, S. Joseph Arul et al. *Trend-Setter: An Interactive General English Textbook for Undergraduate Students*. Trinity, 2016.

Books for Reference

1. Malkani, Neelam. *A comprehensive Guide on General English for Competitive Exams*. Agra: Oswal Publications, 2020.
2. Jain, B. B. *Compendium General English*. Agra: Upkar Prakashan, 2010.
3. Aggarwal, R.S. *Quick Learning Objective General English*. India: S Chand, 2006.
4. T. Ferrari, Bernard. *Power Listening: Mastering the Most Critical Business Skill of All*. USA: Penguin Publishers, 2012.
5. Barry, Marian. *Steps to Academic Writing*. USA: Cambridge University Press, 2011.

Web Resources

1. <https://www.nypl.org/events/classes/english>
2. https://www.waywordradio.org/listen/podcast-itunes/?gclid=EAIaIQobChMIRbeRtbP12AIVCYZpCh0-XwnvEAAAYAiAAEgLcjd_BwE
3. <https://eltlearningjourneys.com/2015/05/19/websites-for-learning-english/>

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester	Course Code		Title of the Course								Hours	Credits
III	21UEN32GE03		GENERAL ENGLISH - III								5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Scores of COs	
	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5		
CO-1	2	3	2	2	3	2	3	2	3	2	2.4	
CO-2	2	2	3	2	3	3	2	3	2	2	2.3	
CO-3	2	3	2	3	2	2	3	2	3	2	2.4	
CO-4	2	2	3	2	3	3	2	3	2	3	2.5	
CO-5	2	2	2	3	2	2	2	3	2	2	2.2	
Mean Overall Score											2.36	(High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC33CC05	CORE – 5: MACROECONOMICS – I	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the importance of investment for expansion of business.	K1
CO–2	understand the basic concepts of Macroeconomics.	K2
CO–3	explain the various principles and theories of employment.	K2
CO–4	interpret the measurements of National Income.	K3
CO–5	analyse the ratio of investment through Multiplier and Accelerator.	K4

Unit – I: Introduction to Macroeconomics and National Income (18 Hours)

Definition - Nature and scope of Macroeconomics - Significance and limitations - Difference between Microeconomics and Macroeconomics - Stock and flow variables - National Income: Definition - Methods of measuring National Income - Difficulties in the measurement of National income – Uses of National Income estimates.

Unit – II: Theories of Employment (18 Hours)

Concept of Employment - Say's Law of Market - Classical theory of employment - Keynesian theory of employment - Determination of Effective demand - Compare and contrast Classical and Keynesian contribution.

Unit – III: Consumption Function (18 Hours)

Average and Marginal Propensity to Consume – Keynes' Psychological Law of Consumption - Determinants of Consumption Function - Absolute Income Hypothesis – Duesenberry's Relative Income Hypothesis — Friedman's Permanent Income Hypothesis – Franco-Modigliani's Life Cycle Hypothesis.

Unit – IV: Investment Function (18 Hours)

Concept of Investment - Autonomous and Induced Investment – Factors determining Investment: Rate of Interest - MEC - rate of discount - prospective yield, supply price - Post-Keynesian theory of Investment demand – IS-LM Function.

Unit – V: Multiplier and Accelerator (18 Hours)

Multiplier - working and leakages - Importance and criticisms – Acceleration Principle - Samuelson's and Hicks' theories of Accelerator - Super-multiplier.

Books for Study

1. Jhingan M. L., *Macro Economic Theory*, 13th Revised Edition, ISBN -18- 87125-45-4, Vrinda Publication (P) Ltd , New Delhi, 2016.
2. Gupta. R.D, *Keynesian and Post Keynesian Economy*, Milestone Publication, New Delhi,

2013.

Books for References

1. Seth, M.L, *Macro Economics*, 28th Revised Edition 2017- Lakshmi Narain Agarwal, Agra.
2. Edward Shapiro, *Macro Economic Analysis*, Galgotia, 13th edition, 2013, New Delhi.
3. Maria John Kennedy, *Macro Economic Theory*, PHI learning PVT, limited, New Delhi, 2011.

Relationship matrix for Course outcomes, Programme outcomes /Programme SpecificOutcomes

Semester	Course code	Title of the Course									Hours	Credits
III	21UEC33CC05	CORE – 5: MACROECONOMICS-I									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	1	2	1	2	2	3	1	2	2	1	1.7	
CO-2	2	1	3	2	1	2	3	3	2	3	2.2	
CO-3	2	2	2	2	2	3	3	3	3	2	2.4	
CO-4	3	3	2	2	2	2	3	2	2	3	2.4	
CO-5	2	2	3	2	3	2	2	3	2	2	2.3	
Mean overall Score											2.2	(High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC33CC06	CORE – 6: DEVELOPMENT ECONOMICS	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define basic development concepts of developed and underdeveloped countries.	K1
CO–2	interpret the relationship between demographic indicators and economic development.	K2
CO–3	relate current development issues with development theories to arrive at research oriented conclusions.	K3
CO–4	infer the impact of economic development on the environment and its sustainability.	K4
CO–5	analyze the trends in economic development indicators of India to enhance future career prospects.	K4

Unit – I: Introduction to Development concepts (15 Hours)

Economic growth and development – Indicators of economic growth and development – Importance of economic growth and development - Comparison of various countries – Measurement of economic growth and development: GDP, GDP Per Capita, GNP, GNP Per Capita, PQLI, HDI, GDI and GER - Sustainable Development Goals and its importance.

Unit – II: Demography and Development (15 Hours)

Demographic indicators of development: Sex ratio, Birth Rate, Death Rate, TFR, MMR, IMR and Life Expectancy - Demographic dividend and age structure: its effect on economic development - Relationship between population growth and economic development: Demographic Theory of Transition.

Unit – III: Theories of Economic Growth (15 Hours)

Economic and Non-economic factors of economic growth – Theory of Balanced growth – Theory of Unbalanced growth – Endogenous and Exogenous theories of growth: Arrow's model, Romer's model, Harrod-Domar model and Solow model.

Unit – IV: Theories of Economic Development (15 Hours)

Classical theory of economic development – an overview; Marxian theory; Rostow's Stages of Economic Growth; Big Push theory and Schumpeter's theory of Innovation.

Unit – V: Economic Development in India (15 Hours)

Trends in employment, education, health, savings, investment and international trade - Government initiatives in boosting economic development – an overview of economic development in India during the pre-reform and post reform era.

Books for Study

1. H. L. Ahuja, *Development Economics – A Critical Study of Economic Growth, Development and Environment*, S. Chand & Sons
2. M. L. Jhingan (2014) *The Economics of Planning and Development*, Revised edition, Vrindha Publications (P) Ltd, Delhi
3. Jayshree Suresh, (2013), *Entrepreneurial Development*, Margham Publications, Chennai.

Books for Reference

1. Sankaran S. (2016) *International Economics*, Margham Publications, Chennai
2. Debraj Ray, (2009), *Development Economics*, Oxford University Press
3. Taneja M.L. Myer R M (2012), *Economics of Development and Planning*, Vishal Publishing Company, Jalandhar
4. Agarwal R.C. (2016), *Economics of Development and Planning*, Lakshmi Narain Agarwal, Educational Publishers, Agra.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
III	21UEC33CC06		CORE – 6: DEVELOPMENT ECONOMICS						5		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	2	1	1	3	2	2	2	2	1.9	
CO-2	2	3	2	1	2	3	3	2	1	3	2.2	
CO-3	3	3	3	2	2	3	3	3	3	3	2.8	
CO-4	3	3	2	1	3	2	2	2	2	2	3	
CO-5	3	3	3	3	2	3	3	3	3	3	2.9	
Mean overall Score											2.56 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC33AO03A	ALLIED OPTIONAL – 1: STATISTICS FOR ECONOMICS – I	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe various statistical methods and their applications in different fields.	K1
CO–2	state the general rules of classification and tabulation and to perform graphical and diagrammatic representation of statistical data.	K1
CO–3	explain the theory behind the descriptive statistics like measures of central tendency and measures of dispersion	K2
CO–4	apply the skills of sampling techniques used to collect the data in social science.	K3
CO–5	classify the absolute measures of variation and relative measures of variation	K4

Unit – I: Importance of Statistics (18 Hours)

Meaning and definitions - Functions, Scope and Limitations of Statistics - Statistics and Economics - Primary and Secondary data - Methods of collecting Primary data – Drafting the Questionnaire – Pilot Survey - Pre-testing the Questionnaire - Secondary data – Sources - Precautions in the use of Secondary data.

Unit – II: Sampling and Sampling Design (18 Hours)

Census and Sample Method – Merits and Demerits of Census and Sampling - Principles of sampling - Essentials of sampling - Methods of selecting sample – Probability and Non-Probability methods -Sampling and Non - Sampling Errors - Central Limit Theorem.

Unit – III: Classification, Tabulation and Diagrams (18 Hours)

Meaning and objectives of classification - Types of classification -- Parts of a table - General rules of tabulation - Types of tables - -Diagrammatic and Graphic representation - Types of Diagrams - Graphs of Frequency distribution - Histograms - Frequency Polygon - Ogives.

Unit – IV: Measures of Central Tendency (18 Hours)

Objectives of Averaging - Requisites of a good Average - Arithmetic Mean - Weighted Mean - Median – Mode - Quartiles - Deciles - Percentiles – Harmonic Mean - Geometric Mean - Limitations of Averages

Unit – V: Measures of Dispersion**(18 Hours)**

Meaning - Significance - Range - Quartile Deviation - Mean Deviation - Standard Deviation - Coefficient of Variation – Variance - Absolute Measures of Variation – Relative measures of variation - Lorenz Curve.

Book for Study

Gupta S.P. *Statistical Methods*. Sultan Chand & sons, New Delhi, 2021.

Books for Reference

1. Gupta S.P. *Elementary Statistical Methods*, Sultan & Chand publishers, New Delhi, 2014.
2. Pillai, R.S.N. & Bagavathi. V, *Statistics, Theory and Practice*, S.Chand, New Delhi, 2010.
3. Croxton, F.E., Cowden, D.J. and Klein, S., *Applied General Statistics*, Prentice-Hall, New York, 1939.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
III	21UEC33AO03A		ALLIED OPTIONAL – I: STATISTICS FOR ECONOMICS-I						6		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs	
	PO–1	PO–2	PO–3	PO–4	PO–5	PSO–1	PSO–2	PSO–3	PSO–4	PSO–5		
CO–1	3	2	2	3	1	1	3	3	2	2	2.2	
CO–2	2	3	3	3	1	1	2	3	2	2	2.2	
CO–3	3	3	2	3	1	3	3	2	2	1	2.3	
CO–4	3	3	3	3	2	1	2	3	2	1	2.3	
CO–5	3	3	1	2	1	2	3	2	2	1	2.0	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC33AO03B	ALLIED OPTIONAL - I: DATA ANALYSIS FOR ECONOMICS	6	4

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	explain the theory behind the descriptive statistics like measures of central tendency and measures of dispersion	K1
CO–2	understand basic counting techniques to compute probability.	K2
CO–3	apply the skills of sampling techniques used to collect the data in social science.	K3
CO–4	calculate various methods of correlation and compute and interpret simple linear regression between two variables.	K3
CO–5	categorize different types of index numbers and apply the importance of index numbers in Indian Economy.	K4

Unit – I: Sources of Data (18 Hours)

Primary and Secondary data - Methods of collecting Primary data – Drafting the Questionnaire – Pilot Survey - Pre-testing the Questionnaire - Secondary data – Sources - Precautions in the use of Secondary data- Census and Sample Method.

Unit – II: Univariate Frequency Distributions (18 Hours)

Measures of Central Tendency: Arithmetic Mean, Median and Mode; Geometric and Harmonic mean - Measures of Dispersion - Skewness and Kurtosis.

Unit – III: Bivariate Frequency Distributions (18 Hours)

Methods of studying Correlation: Scatter Diagram Method, Graphic Method, Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation – Regression - Regression Lines - Regression Equations of X on Y and Y on X Only - Regression Coefficients.

Unit – IV: Introduction to Probability Theory (18 Hours)

Notions of random experiment, sample space, event, probability of an event - Conditional probability - Independence of events - Random variables and probability distributions - Binomial and Normal distributions.

Unit – V: Estimation of Population parameters from sample data (18 Hours)

Unbiased estimators for population mean and variance - Basics of index numbers: price and quantity index numbers.

Book for Study

Gupta S.P. *Statistical Methods*. Sultan Chand & sons, New Delhi, 2021.

Book for Reference

1. Gupta S.P. *Elementary Statistical Methods*, Sultan & Chand publishers, New Delhi, 2014.
2. Pillai, R.S.N. & Bagavathi. V, *Statistics, Theory and Practice*, S.Chand, New Delhi, 2010.
3. Croxton, F.E., Cowden, D.J and Klein, S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours	Credits	
III	21UEC33AO03B		ALLIED OPTIONAL - I: DATA ANALYSIS FOR ECONOMICS						6	4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	3	3	3	2	1	2	3	2	1	2.3
CO-2	3	3	2	3	1	3	3	2	2	1	2.3
CO-3	3	2	2	3	1	2	3	3	2	2	2.3
CO-4	2	3	3	3	1	2	2	3	2	2	2.3
CO-5	3	3	1	2	2	3	3	2	2	1	2.2
Mean overall Score											2.3 (High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21UEC34SE01	SEC - 1(WD): ECONOMIC SURVEY AND UNION BUDGET	2	1

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	recall the data and profile of the government documents in particular to the Economic Survey and the Union Budget.	K1
CO-2	identify the basic concepts related to some contemporary economic issues.	K2
CO-3	explain the basic concepts of exports and imports.	K2
CO-4	sketch out the Government policies and programmes.	K3
CO-5	analyse the trends of the Indian economy.	K4

Unit – I: State of the Economy (6 Hours)

Sectoral contributions - Agriculture, Industry and Services sectors – Year wise Production - Contribution to GDP – Funds allocation by the Central Government to all the sectors.

Unit – II: Prices and Inflation (6 Hours)

Current trends in Inflation - Wholesale Price Index - Consumer Price Index - Drivers of Inflation - State wise Inflation rates – Global commodity prices - Measures to control Inflation.

Unit – III: Exports and Imports (6 Hours)

Exports and imports: Agricultural goods – Industrial goods - Crude oil – Gold export - import policies - India's Performance on Patents and Trademarks - (Current data and information)

Unit – IV: The Union Budget (6 Hours)

Capital receipts - Revenue receipts - Tax and non-tax revenue - Direct and indirect taxes - trends - Goods and Services Tax (GST) - Capital expenditure, revenue expenditure, plan expenditure, non-plan expenditure - fiscal deficit, primary deficit and revenue deficit. (Latest trends)

Unit – V: Centre-State Financial Relations (6 Hours)

Fiscal devolution and Centre - State financial sharing in India - Latest Economic Survey.

Books for Study

1. Dutt & Sundaram, (2020), Indian Economy, S.Chand, New Delhi.

2. Economic Survey (Latest)

Books for Reference

1. Economic Survey (latest).
2. *'Understanding the Budget Concepts and Terminologies'*, Centre for Budget and Governance
3. <http://www.cbgaindia.org/files/documents/Understanding>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours	Credits	
III	21UEC33SE01		SEC-1 (WD) ECONOMIC SURVEY AND UNION BUDGET						2	1	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	3	1	1	3	2	3	3	2	1	2.1
CO-2	2	3	1	2	3	2	3	3	2	2	2.3
CO-3	2	2	2	2	3	2	2	3	1	3	2.2
CO-4	2	2	3	2	2	2	2	3	1	2	2.1
CO-5	3	2	2	2	2	3	2	3	2	2	2.3
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
III	21UHE24VE03A	PROFESSIONAL ETHICS-I: SOCIAL ETHICS - I	2	1

CO No.	Co- Statements	Cognitive Levels (K –Levels)
	On completion of this course the graduates will be able to:	
CO-1	know the responsibility of the educated youth.	K1
CO-2	understand the values prescribed under social ethics.	K2
CO-3	apply their minds critically to the various types of cyber crime.	K3
CO-4	analyse the various kinds of political systems.	K4
CO-5	analyse the behaviour of the elected representatives.	K4

Unit-I Introduction to Social Ethics

(6-Hours)

Introduction to social ethics and social responsibility, important role of Social ethics on the various areas, religion influences social changes - secularism. Social ethics and corporate dynamics, forms of social ethics.

Unit-II The Economic and Political System of Today

(6-Hours)

Planned economy and communism – market economy and capitalism- socialism - mixed economy -the emerging market economy - political system- totalitarian system- oligarchic system.

Unit-III Integrity in Public Life National Integration

(6-Hours)

What is Integrity, Public Life, Integrity and Public Life, Integrity in a Democratic State, India as Democratic State, Behavior of a elected representative of India , Noticeable degradation acts of elected Representatives, Suggestions to stem this rot, Types of integrity, Transparency can be a guarantee for integrity.

Unit-IV Cyber Crime

(6-Hours)

Business Ethics, Business ethics permeates the whole organization, Measuring business ethics , The Vital factors highlighting the importance of business ethics , Cyber crime, Strategies in committing Cyber Crimes, Factors aiding Cyber Crime, computer Hacking, Cyber Bullying, Telecommunications piracy, Counter Measures to Cyber Crime, Ethical Hacking.

Unit-V Social Integration

(6-Hours)

Global challenges, The future is with the Educational Youth, Cost of the Sacrifice, Crusaders against corruption, Responsibility of the Educated Youth, Positive Global Scenario, Right to Education, Eradicating gender inequality, Sustainable Human Development , Social Integration, Elimination Crime, Integration with Global Market

Books for Study:

1. Department of Human Excellence, *Formation of Youth*, St Joseph's College(Autonomous), Tiruchirappali -02, 2021

Books for Reference:

1. Ramesh K. Arora, *Ethics, Integrity and Values* by Public Service Paperback ,– 1 January 2014
2. Cunningham, D. *There's something happening here: The new left, the Klan, and FBI counterintelligence*. Berkeley: University of California Press, 2004.
3. Adv. Prashant Mali, *Cyber law & Cyber Crimes simplified* by Cyber Info media Paperback – 1 January 2017.
4. Matthew Richardson, *Cyber Crime: Law and Practice Hardcover – Import*, Wildy publications, 29 November 2019

Web Sources:

<https://cybercrime.gov.in/>

<https://open.lib.umn.edu/sociology/chapter/14-2-types-of-political-systems/>

<https://www.esv.org/resources/esv-global-study-bible/social-ethics/>

https://en.wikipedia.org/wiki/Political_system

Semester	Course Code	Title of the Course	Hours	Credits
III	21UHE34VE03B	PROFESSIONAL ETHICS I: RELIGIOUS DOCTRINE- I	2	1

CO.No.	Co – Statements	Cognitive Levels (K –Levels)
	On completion of this course, the graduates will be able to:	
CO-1	understand the history of the Catholic Church	K1
CO-2	examine and grasp the Sacraments of the Catholic Church	K2
CO-3	apply the Christian Prayer to their everyday life	K3
CO-4	analyze themselves in the light of Sacraments & Christian Prayer	K4
CO-5	create a harmonious society learning values from all religions	K5 & K6

Unit-I	God of salvation	(6 Hours)
Unit-II	Life & Mission of Jesus Christ	(6 Hours)
Unit-III	The Holy Spirit	(6 Hours)
Unit-IV	Biblical Values	(6 Hours)
Unit-V	Mother Mary	(6 Hours)

Books for Text

Department of Human Excellence, *Life in the Lord: Religious Doctrine*. St. Joseph's College, Trichirappalli-02, 2021.

Books for Reference:

1. *Compendium: Catechism of the Catholic Church*. Bengaluru: Theological Publications in India, 1994.
2. Holy Bible (NRSV).

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UTA41GL4C	Commercial Tamil (SMS)	4	3

CO No.	CO- Statement	Cognitive Level (K- level)
இப்பாடத்தின் நிறைவில் மாணவர்கள்		
CO-1	பண்டைத் தமிழர்களிடம் மேலோங்கியிருந்த வணிகவியல் சிந்தனைகளை அறிந்துகொள்வர்.	K 1
CO-2	பண்டைய இலக்கியங்களுள் வெளிப்படும் வணிகவியல் மேலாண்மைத் தொடர்புகளை அறிந்துகொள்வர்.	K 2
CO-3	வணிகக்கடிதங்கள், பொதுஅமைப்பு மற்றும் படிவங்கள், பதிவேடுகளை உருவாக்குதல், பராமரித்தல் ஆகியவற்றைக் கற்றுக்கொள்வர்	K 3
CO-4	புத்திலக்கியங்களுள் வணிகவியல்துறை பெற்றுள்ள செல்வாக்கை ஆய்ந்து அறிவர்	K 4
CO-5	வணிகவியல் கலைச்சொற்களைத் தமிழில் கற்றுக்கொண்டு வணிகத்தமிழ் வளரத் துணைபுரிவர்	K 5

அலகு - 1

(12 மணிநேரம்)

பட்டினப்பாலை (108 அடிகள்)

சேவடிச் செறிகுறங்கிற் (146-158)

செல் கதிர் நுழையாச் செழுநகர் (183-193)

வான் முகந்த நீர் மலை (126-141)

மாஅகாவிரி மணம் கூட்டும் (116-125)

நெடுநுகத்துப் பகல் போல (206-218)

உரைநடைக்கட்டுரை: சங்ககால மக்களின் உற்பத்தியும், வணிகமும்

அலகு - 2

(12 மணிநேரம்)

அவரோ வாரார் - முல்லையும் பூத்தன (குறுந்தொகை- 221)

முள்ளெயிற்றுப் பாண்மகள் (ஐங்குறுநூறு (மருதத்திணை) - புலவிப்பத்து 47)

கான் உறை வாழ்க்கை (புறநானூறு 33: 1-7)

சிறுகுழை துயல்வரும் காதில், பணைத்தோள் (பெரும்பாணாற்றுப்படை, 161-168)

தேன் நெய்யொடு கிழங்கு மாறியோர் (பொருநராற்றுப்படை, 214-221)

உரைநடைக்கட்டுரை : சங்க இலக்கியங்களில் பண்டமாற்றுமுறை

திருக்குறள் (2 அதிகாரங்கள்)

வினைத்திட்டம், பொருள்செயல்வகை

உரைநடைக்கட்டுரை : பண்டைத்தமிழர்களின் பிறநாட்டுவணிகத் தொடர்பும், துறைமுகங்களும்

புதினம் - கோடுகளும் கோலங்களும் - ராஜம் கிருஷ்ணன்

வணிகக் கடிதங்கள் - பொதுஅமைப்பு மற்றும் படிவங்கள் - தகவல் தொடர்புப்

பதிவேடுகளை உருவாக்குதல், பராமரித்தல்

உரைநடைக்கட்டுரை: பண்டைத் தமிழர்களின் வணிக மேலாண்மை

வணிகவியல் கலைச்சொற்கள் பயன்பாடு - வணிகக் கட்டுரை எழுதுதல் -

வணிகம்சார் ஆங்கிலக் கட்டுரையைத் தமிழில் மொழிபெயர்த்தல் - வணிக நிறுவனம்

குறித்த ஆய்வறிக்கை - வணிகம்சார் நிகழ்வு / செய்திகளைத் திறனாய்வு செய்தல்

உரைநடைக்கட்டுரை: பன்முகநோக்கில் உலகமயமாக்கல்

பாட நூல்கள்

1. **வணிகத்தமிழ்**, தமிழாய்வுத்துறை, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி, பதிப்பு, 2022
2. ராஜம் கிருஷ்ணன், **கோடுகளும் கோலங்களும்**, தமிழாய்வுத்துறை வெளியீடு, தூய வளனார் தன்னாட்சிக் கல்லூரி, திருச்சிராப்பள்ளி-2, முதற்பதிப்பு, 2021
3. மூர்த்தி. அ.கி., **வணிகவியல் அகராதி**, மணிவாசகர் பதிப்பகம், சென்னை, 1994

பார்வை நூல்கள் & இணையதளம்

1. வையாபுரிப்பிள்ளை, **பாட்டும் தொகையும்**, பாரி நிலையம், சென்னை, இரண்டாம் பதிப்பு, 1967.
2. பரிமேலழகர்(உரை.), **திருக்குறள்**, பாரதி பதிப்பகம், சென்னை-17, ஏழாவது பதிப்பு, 2000.
3. மயிலை சீனிவேங்கடசாமி, **பழங்காலத் தமிழர் வாணிகம்**, நியூ செஞ்சுரி புக் ஹவுஸ், சென்னை
4. www.creativecommons.org

Semester	Course Code			Title of the Course						Hours	Credit
IV	21UTA41GL4C			Commercial Tamil (SMS)						4	3
Course Outcomes (COs)	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	1	2	3	2	2	3	3	2	2	2	2.2
CO-2	2	2	3	2	2	2	3	2	3	2	2.3
CO-3	1	2	2	3	2	2	2	3	3	3	2.3
CO-4	2	2	3	2	2	3	2	3	3	2	2.4
CO-5	3	1	2	2	2	2	3	2	3	3	2.3
Mean Overall Score											2.3 (High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UFR41GL04	FRENCH – IV	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to;	
CO–1	recall the vocabulary pertaining to dwelling place.	K1
CO–2	outline crisis management in France.	K2
CO–3	develop a travel diary of your own.	K3
CO–4	simplify the French education system.	K4
CO–5	interpret past tenses in a text.	K5

Unit- I (12 hours)

TITRE:ON FAIT LE MELANGE!

GRAMMAIRE : le présent progressif, les pronoms possessifs, la phrase négative

LEXIQUE : décrire les étapes d’une action, la maison, les tâches ménagères

PRODUCTION ORALE : comprendre le récit d’un voyage

PRODUCTION ECRITE : raconter ses actions quotidiennes

Unit - II (12 hours)

TITRE:A PROPOS DE LOGEMENT

GRAMMAIRE : quelques adjectifs et pronoms indéfinis, les verbes lire, rompre et se plaindre

LEXIQUE : la localisation et le logement, les pièces, meubles et équipement

PRODUCTION ORALE : jeu de rôle –votre ami et vous s’installe dans un nouveau meuble

PRODUCTION ECRITE : décrire votre maison/appartement

Unit- III (12 hours)

TITRE:TOUS EN FORME!

GRAMMAIRE : le passé composé et l’imparfait, le passé récent, l’expression de la durée

LEXIQUE : un souvenir et les événements du passés, le corps humain : extérieur, le corps humain : intérieur

PRODUCTION ORALE : échanger sur ses projets de vacances

PRODUCTION ECRITE : raconter un souvenir

Unit - IV (12 hours)

TITRE:ACCIDENTS ET CATASTROPHES

GRAMMAIRE : les adjectifs et les pronoms indéfinis : rien/ personne/aucun, les verbes dire, courir et mourir

LEXIQUE : savoir les mots et les expressions des catastrophes naturelles, les maladies et les remédies, les accidents, les catastrophes naturelles

PRODUCTION ORALE : comprendre des personnes qui expriment leur accord ou leur

désaccord selon un thème donné

PRODUCTION ECRITE : écrivez sur une catastrophe naturelle en articulant la cause et la conséquence

Unit -V

(12 hours)

TITRE:FAIRE SES ETUDES A L'ETRANGER/ BON VOYAGE/ LA METEO

GRAMMAIRE : les pronoms démonstratifs neutres, le futur simple, situer dans le temps, moi aussi/non-plus – moi non/si, les verbes impersonnels, les verbes croire, suivre et pleuvoir

LEXIQUE : savoir vivre en France, le système scolaire, les formalités pour partir à l'étranger.

PRODUCTION ORALE : exprimer son opinion sur la météo/parler del'avenir

PRODUCTION ECRITE: comparer le système scolaire français et indien

Book for Study

P.Dauda,L.Giachino and C.Baracco, *Generation A2*, Didier, Paris 2016.

Books for Reference

1. J.Girardet and J.Pecheur, *Echo A2*, CLE International, 2^eedition,2013
2. Régine Mérieux and Yves Loiseau, *Latitudes A2*, Didier, 2012.
3. Isabelle Fournier, *Talk French*, Goyal Publishers,2011

Web Resources

1. <https://www.frenchcourses-paris.com/french-travel-journal/>
2. <http://www.saberfrances.com.ar/vocabulary/house.html>
3. <https://www.thoughtco.com/different-past-tenses-in-french-1368902>
4. <https://www.youtube.com/watch?v=JZdwJM7sEY8>
5. <https://www.scholaro.com/pro/Countries/France/Education-System>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours		Credits	
IV	21UFR41GL04		FRENCH – IV					4		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO–1	3	1	3	2	2	3	2	1	2	2	2.1
CO–2	3	1	2	3	3	3	2	1	3	1	2.2
CO–3	3	2	3	2	2	3	2	1	3	2	2.3
CO–4	3	1	2	2	3	3	3	1	3	3	2.4
CO–5	2	2	3	3	1	3	1	2	3	2	2.2
Mean overall Score											2.24 (High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UHI41GL04	HINDI - IV	4	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, students will be able to	
CO-1	list out the social conditions prevailed in Modern Period which are depicted in Hindi Literature.	K1
CO-2	discuss the dialects of Hindi language.	K2
CO-3	illustrate the works of some eminent Hindi Writers related to society.	K3
CO-4	analyze the human values expressed in life and literature of Hindi Novelist “Mamatha Kaliyah”.	K4
CO-5	evaluate the film & Literary works in Hindi.	K5

Unit - I (12 Hours)

Computer ka yug
Prathyay
Adhunik Kal - Namakarn
Namakaran

Unit - II (12 Hours)

Vigyan hani/labh
Paryayvachy Shabdh
Adhunik Kal - Samajik Paristhithiyam
Samanarthy Shabdh

Unit - III (12 Hours)

Nari shiksha
Upasarg
Adhunik Kal – Sahithyik Paristhithiyam
Adhunik kal – Salient Features

Unit - IV (12 Hours)

Review- Book/Film
Paryavaran Pradookshan
Adhunik Kal - Main Divisions
Adhunik Kal - Visheshathayem

Unit - V**(12 Hours)**

Sapnom Kee Home Delivery (Novel)
Anuvad - 4

Books for Study

1. Dr. Sadananth Bosalae, *kavya sarang*, Rajkamal Prakashan, New Delhi, 2020.
Unit-I Chapters 4
2. M. Kamathaprasad Gupth, *Hindi Vyakaran*, Anand Prakashan, Kolkatta, 2020.
Unit-II, III and IV Chapter 2
3. Dr. Sanjeev Kumar Jain, *Anuwad: Siddhant Evam Vyavhar*, Kailash Pustak Sadan, MadhyaPradesh, 2019 **Unit-V** Chapter 2

Books for Reference

1. Hindi Niband Sangrah, V&S Publishers, 2015.
2. Rajeswar Prasad Chaturvedi, Hindi vyakarana, Upakar prakashan, 2015.
3. Ramdev, Vyakaran Pradeep, Hindi Bhavan, 2016.
4. Krishnakumar Gosamy, Anuvad vigyan ki Bhumika, Rajkamal Prakashan, 2016.
5. Acharya ramchandra shukla, Hindi Sahitya Ka Itihas, Prabhat Prakashan, 2021.

Web Resources

1. <https://youtu.be/xmr-DaQ3LhA>
2. <https://youtu.be/xIm-VEmgEg0>
3. <https://youtu.be/ZHuqxWbMtas>
4. <https://youtu.be/HGS63OJuHto>
5. <https://youtu.be/r-i3autqPug>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code		Title of the Course								Hours	Credits
IV	21UHI41GL04		HINDI - IV								4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	3	2	3	3	2	3	2	3	1	2.4	
CO-2	3	2	3	3	2	3	2	3	1	2	2.4	
CO-3	3	2	2	3	2	2	1	3	2	3	2.3	
CO-4	3	2	3	1	3	3	2	3	3	2	2.5	
CO-5	3	2	2	3	3	2	3	2	3	3	2.6	
Mean Overall Score											2.44	(High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21USA41GL04	SANSKRIT - IV	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of the course, the student will be able to	
CO-1	remember and identifying Mahabharatha characters and events.	K1
CO-2	understand human behaviors by studying dramas.	K2
CO-3	apply the morals learnt in day to day life.	K3
CO-4	create new conversational sentences and to Improve self-character (Personality Development).	K4
CO-5	appreciate ancient Sanskrit dramas.	K5

Unit - I (12 Hours)

Samskrita Vyavahara sahasri vakiya Prayogaha

Unit - II (12 Hours)

Lot Lakaarah , Prqayaogh Kartari Vaakyaani

Unit - III (12 Hours)

Naatakasya Itihaasah Vivaranam, Thuva and Tum Prathiyaha

Unit - IV (12 Hours)

Karnabhaaram , Naatakasya Visistyam

Unit - V (12 Hours)

Samskrita Rachanani priyogaha

Book for Study

Karnabhavam & Literature Language, 2019 , K.M Saral Sanskrit Balabodh , Bharathita vidya bhavan , Munshimarg Mumbai – 400 007

Books for Reference

1. R.S.Vadhyar & Sons , Book – sellers and publishers , Kalpathu ,Palghat – 678003 , Kerala , south India , History of Sanskrit Literature 2019

2. Kulapathy , K.M Saral Sanskrit Balabodh , Bharathita vidya bhavan , Munshimarg
Mumbai – 400 007 2018
3. Samskrita Bharathi , Aksharam 8 th cross , 2nd phase Giri nagar Bangalore Vadatu
sanskritam – Samaskara Binduhu 2019

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course Code	Title of the Course									Hours	Credit
IV	21USA41GL04	SANSKRIT-IV									4	3
Course Outcomes↓	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	2	2	3	2	3	2	3	3	2	2.5	
CO-2	2	2	3	2	3	3	3	3	3	2	2.4	
CO-3	3	3	2	3	2	1	1	3	3	3	2.4	
CO-4	2	3	3	3	2	1	3	3	3	2	2.5	
CO-5	2	2	3	2	3	3	3	3	2	3	2.6	
Mean Overall Score											2.48	
Result											# High	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEN42GE04	GENERAL ENGLISH - IV	5	3

CO No.	CO-Statements	Cognitive Levels (K- Levels)
	On successful completion of this course, students will be able to	
CO-1	identify different local and global issues in given passages	K1
CO-2	understand explicit and implicit information given in written texts	K2
CO-3	use appropriate words and punctuations in writing	K3
CO-4	analyse written texts and modify them for better clarity	K4
CO-5	assess the coherence and cohesion of written texts and rewrite them	K5 & K6

Unit-I (15 Hours)

1. Women through the Eyes of Media
2. General Writing Skill: Writing Minutes of a Meeting
3. Grammar: Present Perfect Tense

Unit-II (15 Hours)

4. Effects of Tobacco Smoking
5. General Writing Skill: Note-Taking
6. Grammar: Present Perfect Continuous Tense

Unit-III (15 Hours)

7. Short Message Service (SMS)
8. General Writing Skill: Note-Making
9. Grammar: Past Perfect Tense

Unit-IV (15 Hours)

10. An Engineer Kills Self as Crow Sat on his Head: A Newspaper Report
11. General Writing Skill: Précis Writing
12. Grammar: Past Perfect Continuous Tense

Unit-V (15 Hours)

13. Traffic Rules
14. General Writing Skill: Paragraph Writing
15. Grammar: Future Perfect Tense and Future Perfect Continuous Tense

Book for Study

Jayraj, S. Joseph Arul et al. *Trend-Setter: An Interactive General English Textbook for Under Graduate Students*. Trinity, 2016.

Books for Reference

1. Clark Peter, Roy. *Writing Tools: 50 Essential Strategies for Every writer*. USA: Little, Brown Spark Publishers, 2008.
2. Carnegie, Dale. *The Quick and Easy Way to Effective Speaking*. India: Fingerprint Publishers, 2018.
3. Vaughn, Steck. *Reading Comprehension*. USA: Steck-Vaughn Co, 2014.
4. Birkett, Julian. *Word Power: A Guide to Creative writing*. India: Bloomsbury Academic, 2016.
5. Knight, Dudley. *Speaking with Skill: An Introduction to Knight-Thompson Speechwork*. USA: Methuen Drama, 2016.

Web Resources

1. <https://blog.lingoda.com/en/10-news-sites-to-practice-your-english-reading-skills/>
2. <https://www.espressoenglish.net/how-to-learn-english-for-free-50-websites-for-free-english-lessons/>
3. <https://www.ef.com/wwen/english-resources/>

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester	Course Code		Title of the Course								Hours	Credits
IV	21UEN42GE04		GENERAL ENGLISH - IV								5	3
Course Outcome (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO-1	2	3	2	2	3	2	3	2	3	2	2.4	
CO-2	2	2	3	2	3	3	2	3	2	2	2.3	
CO-3	2	3	2	3	2	2	3	2	3	2	2.4	
CO-4	2	2	3	2	3	3	2	3	2	3	2.5	
CO-5	2	2	2	3	2	2	2	3	2	2	2.2	
Mean Overall Score											2.36	(High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC43CC07	CORE – 7: MACROECONOMICS – II	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the concepts and objectives of macroeconomic policies.	K1
CO–2	infer the performances of rational expectations in unemployment and inflation.	K2
CO–3	understand the significance of theory of distribution in the macroeconomics.	K2
CO–4	interpret the significance of capital accumulation.	K3
CO–5	explain the various phases of Business cycle.	K4

Unit – I: Rational Expectations Theory (18 Hours)

Meaning, concepts and definitions of Rational Expectations - Philips curve: unemployment and inflation – Nobel Laureate Robert Lucas’ contributions to Rational Expectations.

Unit – II: Macroeconomic Theories of Distribution (18 Hours)

Definitions - Meaning and Importance - Types: Personal and Functional Distribution – Kaleckian model - Kaldor and Keynes theories of distributions.

Unit – III: Joan Robinson’s Model of Capital Accumulation (18 Hours)

Definitions – Capital Accumulation - Robinson Model – Factors - Assumptions - Golden Rule of Accumulation - Uses and limitations of model - Its applicability to developing countries.

Unit – IV: Business Cycle (18 Hours)

Definitions – Characteristics - Classification of Business cycle - Phases of Business Cycle: Boom or Prosperity – Recession – Depression - Recovery

Unit – V: Macroeconomic Policies (18 Hours)

Meaning - Definitions and objectives of Macroeconomic Policy – Macroeconomic goals – Monetary Policy - Fiscal Policy.

Books for Study

1. Jhingan M. L, *The Economics of Development and Planning*, 13th Revised edition, 2016, ISBN 81-87125-62-4, Vrinda Publication (P) Ltd, New Delhi.
2. Edward Shapiro, *Macro Economic Analysis, Galgotia*, 13th edition , 2013, New Delhi.

Books for Reference

1. Agrawal R.C, *Economics of Development and Planning*, 5th Revised Edition 2011, Lakshmi Narain Agarwal, Agra.
2. Seth, M.L, *Macro Economics*, Revised Edition 2017- Lakshmi Narian Agarwal, Agra.
3. Ackley,G., *Macro Economic Theory and Policy*, Macmillan- New York ,1973.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
IV	21UEC43CC07		CORE-7: MACROECONOMICS-II						6		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	1	2	2	2	2	3	2	2	2	1	1.9	
CO-2	2	1	3	2	1	2	3	3	2	3	2.2	
CO-3	2	2	2	2	2	3	3	3	3	2	2.4	
CO-4	3	3	2	2	1	2	2	2	2	3	2.2	
CO-5	2	2	3	2	3	2	2	3	2	2	2.3	
Mean overall Score											2.2 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC43CC08	CORE – 8: LABOUR ECONOMICS	5	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	state the significance of Trade Union and to develop the managerial and leadership skills	K1
CO-2	explain the different types of wages and wage rates.	K2
CO-3	describe the concepts and importance of Labour Economics.	K3
CO-4	analyse the social security schemes for labourers.	K4
CO-5	compare the important issues of agricultural and industrial labour.	K4

Unit – I: Basic Concepts and Labour Market (15 Hours)

Meaning and concept of labour - Definition, nature, scope of Labour Economics – Labour Market Segmentation - Labour Market Policies - Labour in the unorganized sector - Sengupta Report – Mobility of labour - Child Labour – Women Labour.

Unit – II: Wage Determination (15 Hours)

Wage concepts – Determination - Minimum wage, fair wage and living wage - Productivity and wage relationship – Types of wages in India – Differential Wage Rates - Need for State Regulation of wages - National Wage Policy and Wage Boards in India.

Unit – III: Trade Union, Industrial Disputes and Labour Legislations (15 Hours)

Meaning and objectives of Trade Union - Trade Union Movement in India- Problems and draw backs - Measures to strengthen the Trade Union Movement - Industrial disputes: meaning - causes and effects of industrial disputes - Prevention of industrial disputes - Collective Bargaining - Labour Legislation in India.

Unit – IV: Issues of Labour in India (15 Hours)

Industrial labour: meaning and characteristics of Industrial Labour in India -Contract Labour- LPG and its Impact on Labour- Agricultural Labour: Meaning and Characteristics: Casual labour, attached labour, and bonded labour- Problems of agricultural labour in India- Government measures to improve the conditions of agricultural labour.

Unit – V: Social Security Measures of Labour (15 Hours)

Meaning and need for Social Security Measures - Social Assistance and Social Insurance - Social Security Legislations in India: Workmen’s Compensation Act-1923, Employees’ State Insurance Scheme Act-1948, Maternity Benefits Act-1961, the Provident Fund Act-1952,

The Building and Other Construction Workers Welfare Cess Act, 1996 and The Unorganised Workers' Social Security Act, 2008 EPF and its features - The Code on Social Security, 2020.

Books for Study

1. Thyagi B.P (1986), *Labour Economics and Social Welfare*, Jai Prakash Nath & Co., Meerut
2. Sharma A.K (2006), *Labour Economics*, Anmol Publications, New Delhi.
3. Binod Prasad (2015), *Labour Economics*, Anmol Publications, New Delhi.

Books for Reference

1. Hajela, P.D,(1988) *Labour Restructuring in India: A Critique of the New Economic Policies* Common wealth Publishers, New Delhi
2. VenkataRatnam, C.S(2007), *Globalization and Labour Management Relations Dynamics of change*, Sage, New Delhi
3. Memoria, C.B.(1996) *Labour Problems and Social Welfare in India*, Allahabad, KitabMahae.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
IV	21UEC43CC08		CORE-8: LABOUR ECONOMICS						5		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	2	1	3	2	3	2	2	2	3	2.2	
CO-2	2	3	2	2	2	3	3	2	3	2	2.4	
CO-3	1	2	2	3	2	2	2	3	2	2	2.1	
CO-4	1	3	2	2	3	3	2	2	2	2	2.2	
CO-5	1	2	3	2	2	2	3	2	3	3	2.3	
Mean overall Score											2.24 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC43AO04A	ALLIED OPTIONAL – 2: STATISTICS FOR ECONOMICS – II	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the various statistical tools to foster research attitude in Economics.	K1
CO–2	understand basic counting techniques to compute probability.	K2
CO–3	calculate various methods of correlation and compute and interpret simple linear regression between two variables.	K3
CO–4	calculate different types of index numbers and apply the importance of index numbers in Indian Economy.	K3
CO–5	distinguish various measurements of trend like methods of semi average, moving average and least square.	K4

Unit – I: Correlation Analysis

(18 Hours)

Meaning - Significance of the study of Correlation - Correlation and Causation - Types of Correlation: Positive, Negative, Partial, Multiple, Linear and Non-Linear - Methods of Studying Correlation: Scatter Diagram Method, Graphic Method, Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation.

Unit – II: Regression Analysis

(18 Hours)

Meaning - Difference between Correlation and Regression - Regression Lines - Regression Equations of X on Y and Y on X Only - Regression Coefficients.

Unit – III: Index Numbers

(18 Hours)

Meaning - Uses – Classification – Types - Cost of Living Index (CPI) - Problems in construction – Methods - Paasche, Laspeyres and Fishers Ideal Index numbers – Adequacy Test.

Unit – IV: Analysis of Time Series

(18 Hours)

Meaning and Definition-Utility of Time Series Analysis - Components of Time series - Measurement of Trend: Graphic Method - Semi-Average Method - Moving Average Method - Least Square Method.

Unit – V: Probability

(18 Hours)

Meaning and concepts – Different Schools of thought- Theorems of Probability: Addition Theorem and Multiplication Theorem – Calculation of Probability - Permutation and Combination- Simple Problems.

Book for Study

Gupta S.P. *Statistical Methods*. Sultan Chand & sons, New Delhi, 2021.

Books for Reference

1. Gupta S.P. *Elementary Statistical Methods*, Sultan & Chand publishers, New Delhi, 2014.
2. Pillai, R.S.N. & Bagavathi. V, *Statistics, Theory and Practice*, S.Chand, New Delhi, 2010.
3. Croxton, F.E., Cowden, D.J and Klein, S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
IV	21UEC43AO04A	ALLIED OPTIONAL – 2: STATISTICS FOR ECONOMICS – II									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	1	1	3	3	2	2	2.2	
CO-2	2	3	3	3	1	1	2	3	2	2	2.2	
CO-3	3	3	3	3	2	1	2	3	2	1	2.3	
CO-4	3	3	1	2	1	2	3	2	2	1	2.0	
CO-5	3	3	2	3	1	3	3	2	2	1	2.3	
Mean overall Score											2.2	(High)

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC43AO04B	ALLIED OPTIONAL – 2: ENTREPRENEURIAL DEVELOPMENT	6	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the concepts of Entrepreneurship and its relevance.	K1
CO–2	understand Entrepreneurial Motivation and behavior.	K2
CO–3	relate economic development and entrepreneurial growth.	K3
CO–4	explain Entrepreneurial Development Programmes and their institutes.	K4
CO–5	appraise various methods of Project report or a business plan.	K4

Unit – I: Concept of Entrepreneurship (18 Hours)

Entrepreneurship – Meaning, nature and characteristics – Entrepreneur – Types, Qualities and Functions - Similarities and differences between entrepreneur and intrapreneur - Growth of Entrepreneurship in India - Role of entrepreneurship in economic development

Unit – II: Entrepreneurial Motivation and Behaviour (18 Hours)

Meaning, Process and Theories - Maslow's Need Hierarchy - Entrepreneurial Motivating Factors: Internal, External and Others - Changes in Entrepreneurial Motivation - Entrepreneurship and Achievement Motive - Entrepreneurial Motivational behavior.

Unit – III: Entrepreneurship Development Programmes (EDPs) (18 Hours)

Meaning, Need and objectives of EDPs – Phases, Evaluation and Problems of EDPs - EDPs in India: A historical perspective-: EDP institutions in India and their functions - NIESBUD, New Delhi: SIET Institute, Hyderabad: ITCOT AND SIPCOT in Tamil Nadu: SISI and NSIC - The role of Development banks and Commercial banks.

Unit – IV: Establishing an Enterprise (18 Hours)

Process of setting up a new business - Sources of business idea - Project classifications - identifications – Selection of a Viable Project - Product development and Selection - Preparation of Project Report - Project Appraisal methods.

Unit – V: Economic development and Entrepreneurial growth (18 Hours)

Role of Entrepreneur in economic growth - Strategic approaches in the changing economic scenario for small scale entrepreneurs - Development of women entrepreneurship - Financing SHGs and their role in Micro-financing - Financial inclusion and its penetration in India, Challenges and Government's role in financial inclusion – Pradhan Mantri Jan - DhanYojana - Six Pillars of its Mission objectives.

Books for Study

1. S.S. Khanka, *Entrepreneurial Development*, S.Chand & Company Limited, New Delhi, 2020.
2. Sangeeta Sharma, *Entrepreneurial Development*, PHI Learning Private Limited, Delhi, 2016

Books for Reference

1. Jayshree Suresh, *Entrepreneurial Development*, Margham publications, Chennai, 2010.
2. P.Saravanel & P.Sumathi, *Entrepreneurship Development Principles, Policies and programmes*, Margham publications, Chennai, 2020.
3. Vasant Desai., *Dynamics of Entrepreneurial Development*, Himalaya Publishing house, New Delhi, 2011.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
IV	21UEC43AO04B	ALLIED OPTIONAL – 2: ENTREPRENEURIAL DEVELOPMENT									6	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	2	3	2	3	2	2	2	2	2.2	
CO-2	3	3	2	3	2	3	2	2	2	3	2.5	
CO-3	3	3	2	3	2	3	3	2	2	1	2	
CO-4	3	3	2	2	2	2	3	2	2	2	2	
CO-5	2	3	3	3	2	3	2	3	2	2	2.3	
Mean overall Score											2.4 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UEC44SE02	SEC – 2 (BS) : FINANCIAL ECONOMICS	2	1

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	identify the alternative approaches to economic problems through exposure in allied fields.	K1
CO–2	predict economic decisions with relevance to real life problems.	K2
CO–3	interpret financial portfolios in both money and capital markets for sustainable economic growth.	K3
CO–4	analyse the role played by time, uncertainty, information and inflation in evaluating financial instruments.	K4
CO–5	infer the economic and financial data to be applied in research.	K4

Unit – I: Introduction to Financial System and Financial Markets (6 Hours)

Financial System: Structure and Functions - Financial markets - Financial Instruments - Role of Financial system - Financial system and economic development.

Unit – II: Money Market and Capital Market (6 Hours)

Money market: Meaning, Functions and Instruments - Features of money market - Capital market: Meaning, Functions and Structure: Primary and Secondary markets.

Unit – III: Security Market Analysis (6 Hours)

Risk - Return on risk - types of risk - Security Evaluation: Fundamental Analysis, Technical Analysis - Derivatives: Options, Futures/Forwards, Swaps, Construction of Stock market indices.

Unit – IV: Indian Financial System (6 Hours)

Structure of Indian Financial System - Organization and management of Indian Stock Exchanges - SEBI , OTCEI, BSE, BOLT, SENSEX, NSE, NEAT, NIFTY, ISE - Credit rating agencies in India - CRISIL, ICRI, CIBIL CARE - International credit rating agency – S and P, Fitch ratings - Recent financial sector reforms.

Unit – V: Corporate Finance (6 Hours)

Patterns of corporate financing: common stock, debt, preferences, convertibles, Capital structure and the cost of capital - corporate debt and dividend policy.

Books for Study

1. David G. Luenberger, *Investment Science*, Oxford University Press, USA, 1997.
2. Hull, John C. and Sankarshan Basu, *Options, Futures and Other Derivatives*, Pearson Education, 2016
3. Khan M Y., *Indian Financial System*, McGraw Hill Education, 2015
4. Richard A. Brealey and Stewart C. Myers, *Principles of Corporate Finance*, McGraw – Hill, 7th edition, 2002.

Books for Reference

1. Stephen A. Ross, Randolph W. Westerfield and Bradford D. Jordan, *Fundamentals of Corporate Finance*. McGraw-Hill, 7th edition, 2005.
2. Bhole, L M (1999): *Financial Institutions and Markets*, TATA McGraw Hill Co Ltd, New Delhi
3. Preethi Singh (2009): *Dynamics of Indian Financial system, markets, institutions And services*, Annes Books Pvt Ltd, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
IV	21UEC44SE02		SEC-2 (BS) : FINANCIAL ECONOMICS						2		1	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	3	2	3	2	3	2	3	3	2	2.6	
CO-2	2	3	1	2	2	3	3	3	3	1	2.3	
CO-3	3	2	2	3	1	2	3	3	2	1	2.2	
CO-4	2	1	2	3	1	2	3	2	2	1	1.9	
CO-5	3	3	2	3	2	1	2	3	3	1	2.3	
Mean overall Score											2.26 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UHE44VE04A	PROFESSIONAL ETHICS–II: SOCIAL ETHICS - II	2	1

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On completion of this course the graduates will be able to	
CO-1	know the value of natural resources and to live in a harmony with nature.	K1
CO-2	comprehend the importance of a healthy life.	K2
CO-3	apply the plans of disaster management in the society.	K3
CO-4	analyse the importance and differences of science and religion.	K3
CO-5	apply counseling skills and solve their problems.	K4

Unit-I Harmony with Nature

(6-Hours)

What is environment, Why should we think of harmony, Principles to conserve environmental resources, Causes of disharmony, The fruits of harmony with nature, Natural Resources, Fruits of disharmony, Economic values and growth, Environmental Ethics, Guidelines to live in harmony with nature, Towards life-centered system for better quality of life. Harmony with animal kingdom.

Unit-II Issues Dealing with Science and Religion

(6-Hours)

What is Science, Science and Religion, Social Relevance of Science and Technology, Science and technology for social justice, Difference caused by Science and Technology, Need for indigenous technology, Science and Technology Innovation Policy of India.

Unit-III Public Health

(6-Hours)

Health related issues, Health Care in India vs Developed Countries, Health and Heredity, Public Health - Objectives of public health in India, Public Health System in India, Failure on the public health front, Role of the central government, Hospitals Services in India, Health and Abortion, Drug Addiction and Drug abuse

Unit-IV Disaster Management

(6-Hours)

Disaster Management, Types of disaster, Plans of disaster management, Technology to manage natural disasters and catastrophes, Rehabilitation and Reconstruction, Human-induced disaster, First Aid, The importance of First-aid.

Unit-V Counselling for Adolescents

(6-Hours)

High Risk Behaviours, Developmental Changes in Adolescents, Key Issues of the Adolescents, Need for Counselling, Nature of Counselling, Counselling Goals, Does helping help? The Good and the Bad news.Importance of Career Guidance Counselling.

Books for Study

1. Department of Human Excellence, *Formation of Youth*, St Joseph's College (Autonomous), Tiruchirappali 02, 2021.

Books for Reference

1. Albert, D. and Steinberg, L, *Judgment and decision making in adolescence*: Journal of Research on Adolescence, page no: 211-224. 2011
2. Larry R. Collins, *Disaster Management and Preparedness*, Lewis Publications, 22 November 2000.
3. Elizabeth B. Hurlock, *Developmental Psychology: A: Life-Span Approach*, New Delhi: Tata McGraw-Hill, 1981, 5th Edition, August 18, 2001.
4. Sangha, Kamaljit. *Ways to Live in Harmony with Nature: Living Sustainably and Working with Passion*. Australia, Woodslane Pty Limited, 2015.

Web Sources:

https://en.wikipedia.org/wiki/Disaster_management_in_India

<https://ndma.gov.in/>

<https://talkitover.in/services/child-adolescent-counselling/>

<https://www.nipccd.nic.in/schemes/adolescent-guidance-centre-19#gsc.tab=0>

Semester	Course Code	Title of the Course	Hours	Credits
IV	21UHE44VE04B	PROFESSIONAL ETHICS II: RELIGIOUS DOCTRINE - II	2	1

CO.No.	CO-Statements	Cognitive Levels (K –Levels)
	On completion of this course, the graduates will be able to:	
CO-1	Understand the history of the Catholic Church	K1
CO-2	Examine and grasp the Sacraments of the Catholic Church	K2
CO-3	Apply the Christian Prayer to their everyday life	K3
CO-4	Analyze themselves in the light of Sacraments & Christian Prayer	K4
CO-5	Create a harmonious society learning values from all religions	K5 & K6

Unit-I	The Catholic Church	(6 Hours)
Unit-II	Sacraments of Initiation	(6 Hours)
Unit-III	Sacraments of Healing & at the Service of Community	(6 Hours)
Unit-IV	Christian Prayer	(6 Hours)
Unit-V	Harmony of Religions	(6 Hours)

Books for Study

Department of Human Excellence, *Life in the Lord: Religious Doctrine*. St. Joseph's College, Trichirappalli 02, 2021.

Books for Reference

1. *Compendium: Catechism of the Catholic Church*. Bengaluru: Theological Publications in India, 1994.
2. Holy Bible (NRSV).

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53CC09	CORE – 9: BASIC ECONOMETRICS	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the nature and scope of econometrics.	K1
CO–2	understand the key classical assumptions in the field of econometrics.	K2
CO–3	estimate the values using least squares method in evaluating the relationship.	K2
CO–4	construct the econometric models using variables and relationships of economic theories.	K3
CO–5	explain the basic concept of Multiple Linear Regression Analysis.	K4

Unit – I: Nature and Scope of Econometrics (21 Hours)

Econometrics: Meaning - Definition – Scope – Objectives – Methodology of Econometrics - Specification- Mathematical Economics and Econometrics –Types of Econometrics.

Unit – II: Simple Linear Regression Analysis (21 Hours)

Estimation of Parameters - Statistical Inference - Confidence Intervals for the Estimated Parameters, Coefficient of Determination, Prediction with the Simple Regression model.

Unit – III: Multiple Linear Regression Analysis (21 Hours)

Multiple linear regression model- Estimation of parameters, goodness of fit - adjusted R^2 , partial regression coefficients, Testing of hypotheses – Individual and Joint significance: t and F- tests.

Unit – IV: Problems of OLS Method (21 Hours)

Problems in OLS Methods: Analysis of Residuals – Heteroscedasticity, Autocorrelation and Problem of Multicollinearity - their Consequences, Detection and Remedies.

Unit – V: Dummy Variable (21 Hours)

Introducing dummy (independent) variables - nature of dummy variables, variables with two categories and more than two categories, Dummy variable trap.

Book for Study

Domodar N. Gujarati, Dawn Porter and Sangeetha Gunasekar, *Basic Econometrics*, Fifth Edition, McGraw Hill/Irwin, 2017.

Books for References

1. Greene, William H. *Econometric Analysis*. 6th Edition, Prentice Hall. 2008.
2. Johnston J. and Dinardo, J. *Econometric Methods*. 4th Ed. McGraw-Hill 1997.
3. Ramanathan, Ramu, *Introductory Econometrics with Applications*, 5th edition, 2002, Thomson Asia Pte Ltd., Singapore.
4. Stock, James H., and Mark W. Watson (2006): *Introduction to Econometrics*, Second Edition, (Addison-Wesley Series in Economics).
5. Wooldridge, J., *Introductory Econometrics: A Modern Approach*, 2015, Nelson Education.
6. S.Shymala, Navdeep Kaur and T.Arul Pragasam, *A Text book on Econometrics, Theory and Application*, Vishal Publishing Co, 2019.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
V	21UEC53CC09		CORE-9: BASIC ECONOMETRICS						7		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	2	3	2	2	3	2.3	
CO-2	1	3	2	3	2	3	3	2	2	3	2.3	
CO-3	1	2	3	2	3	2	3	2	3	2	2.3	
CO-4	1	2	2	1	2	2	3	2	2	2	2	
CO-5	2	2	2	2	3	1	3	2	2	3	2.1	
Mean overall Score											2.3 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53CC10	CORE – 10: MONEY AND BANKING	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the potential significance of monetary phenomenon and relate them with ethical values.	K1
CO–2	discuss the functions of money and its global impact.	K2
CO–3	illustrate the influence of monetary policies on banking functions and also the societal effects.	K3
CO–4	compare the various financial instruments and their relevance to the society.	K4
CO–5	analyse the impact of inflation, trade cycle, nationalisation and bank rates on domestic and world economy.	K4

Unit – I: Money: Theory and Approaches (21 Hours)

Money: Meaning, functions and classification - Gresham's Law – Value of Money – Measurement using Index Numbers – Quantity theory of money - Cash Transactions and Cash Balance Approaches – Milton Friedman's Restatement of Quantity Theory - The Keynesian approach.

Unit – II: Inflation and Trade Cycle (21 Hours)

Definition, Types, Causes and Effects of Inflation on different sectors of the Economy - Types of Inflation: Demand–pull and Cost-push Inflation – Measures to control Inflation - Phillips Curve - Trade cycle: structure, causes, effects and methods to control – Theories of Trade cycle: Hawtrey, Von-Hayek and Hicks.

Unit – III: Commercial Banking (21 Hours)

Commercial banks: Meaning, types and functions – Process of credit creation - Purpose and limitations – Liabilities and assets of banks – Commercial banking in India – Nationalization – Recent reforms in banking sector in India.

Unit – IV: Central Banking (21 Hours)

Functions of Central Bank- Quantitative and Qualitative methods of credit control – Bank rate policy, Open market operations, Cash Reserve Ratio and selective methods – Role and functions of the Reserve Bank of India – Demonetisation.

Unit – V: Money and Capital Markets and Monetary Policy (21 Hours)

Structure and importance of Money Market – London and New York Money Markets – Indian Money market and Capital markets: structure, features and functions – Monetary Policy: objectives, functions and limitations with reference to India – Monetary Policy Review Committee.

Books for Study

1. Sundaram K.P.M, *Money Banking and International Trade*, 1990.
2. Hajela T. N., *Money Banking and International Trade*, ANE Books, 2009.
3. Jhingan M L, *Money, Banking, International Trade and Public Finance*, Vrinda Publications, 2013
4. Mithani D M, *Money, Banking, International Trade and Public Finance*, Himalaya Publishers, 2018

Books for Reference

1. Gupta, S. B., *Monetary Economics*, S. Chand & Company, New Delhi, 1994.
2. Mishra, S. S., *Money, Inflation and Economic Growth*, Oxford & IBH, New Delhi, 1981.
3. Sayers, R. S., *Modern Banking*, OUP, New Delhi, Seventh Edition, 1978.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
V	21UEC53CC10		CORE-10: MONEY AND BANKING						7		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	1	2	3	2	3	3	2	2	3	2.4	
CO-2	3	2	2	3	3	1	3	3	2	2	2.4	
CO-3	3	3	1	2	2	2	3	3	3	2	2.4	
CO-4	2	2	1	3	1	2	3	3	2	2	2.1	
CO-5	3	3	1	3	2	2	3	3	3	2	2.5	
Mean overall Score											2.36 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53ES01A	DSE – 1: RESEARCH METHODS IN ECONOMICS	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the concepts of research.	K1
CO–2	compare the different types of research.	K2
CO–3	discover the research problems for better understanding of the socio- economic conditions of the people.	K3
CO–4	apply the skills of sampling techniques to collect the survey data.	K3
CO–5	infer the research report writing for policy making to uplift the society.	K4

Unit – I: Fundamental Concepts of Research (15 Hours)

Meaning, objectives, and criteria of Research - Types of research: pure, applied, historical, analytical, descriptive, experimental, scientific method and case study method - Process of research - Problems encountered by researchers in Economics – Qualities of a researcher.

Unit – II: Research Design (15 Hours)

Research problem - identification, selection and formulation of research problem - Review of literature: Published Sources - On-line Sources - Research Gap.

Unit – III: Census and Sampling (15 Hours)

Census vs Sampling - Types of sampling – Probability and non-probability sampling - Methods of data collection - Primary and secondary methods

Unit – IV: Hypothesis (15 Hours)

Research Hypothesis: meaning, sources, formulation, concepts, importance and types of hypothesis – Statistical Hypothesis: Null and Alternative - Procedure for testing hypothesis – Type - I and Type - II errors – Concept of Standard Error.

Unit – V: Analysis, Interpretation and Report Writing (15 Hours)

Process of data analysis - editing, coding, tabulation, diagrams - process of interpretation - Scaling techniques - Report writing - Significance of report writing - Different steps in writing the report - Mechanics of writing a research report.

Books for Study

1. Kothari C.R, & Gaurav Garg, *Research Methodology*, New Age International, New Delhi, 2019.

2. Kurien C.T, *A Guide to Research in Economics*, National Publishing House, New Delhi, 1983.

Books for Reference

1. Wilkinson and Bandarkar, *Methodology and Techniques of Social Research*, Himalaya, Mumbai, 1984.
2. Young P.V, *Scientific Social Surveys and Research*, Prentice- Hall of India, New Delhi, 1977.
3. Gopal M. H, *An Introduction to Research Procedures in Social Sciences*, Asia Publishing House, Mumbai.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours		Credits	
V	21UEC53ES01A		DSE-1: RESEARCH METHODS IN ECONOMICS					5		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	3	2	3	3	3	3	3	2	2	2.7
CO-2	3	2	3	3	2	3	3	2	2	2	2.5
CO-3	3	3	2	3	2	3	3	2	3	2	2.6
CO-4	3	3	1	3	1	3	2	3	1	1	2.1
CO-5	3	3	2	3	3	3	3	3	3	1	2.7
Mean overall Score											2.52 (High)

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53ES01B	DSE – 1: ECONOMICS OF HEALTH AND EDUCATION	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	recognize the subjects of health and education by understanding their importance in economic and human development.	K1
CO–2	associate economic principles and theories in interpreting the supply and demand of health care and education.	K2
CO–3	illustrate the methods of measuring programmes and interventions in the fields of health and education.	K3
CO–4	analyse the policies related to health and education with a special focus on Ayushman Bharat and the New Education Policy of India.	K4
CO–5	point out the relationship between health and education, their application in human resource development and environmental sustainability.	K4

Unit – I: Role of Health and Education in Human Capital Formation (15 Hours)

Meaning and definitions of health and education - Relationship between health, education and human development - Concept of human capital formation - its role and importance in economic development - Indicators of human development.

Unit – II: Health market and Health insurance (15 Hours)

Health as a Good: Demand for and supply of healthcare - Determinants of health - Market failure in the health sector and its reasons: excludability and consumption rivalry, Tragedy of the Commons - Role of Health in Human Development - Health Insurance: its Uncertainty, Moral Hazard and Adverse Selection, Asymmetric Information and Death Spiral – Private and Public health insurance - Health care system in India – Health insurance in India with a focus on Ayushman Bharat.

Unit – III: Economic efficiency and Cost effectiveness in Health Care (15 Hours)

Definition of Economic Evaluation - Types of economic evaluation - Costing techniques: Cost Minimization Analysis, Cost Benefit Analysis, Cost Utility Analysis, QALY & DALY, Cost Effectiveness Analysis and Willingness to Pay Approach - An overview of health policy and programmes in India including the Noon-meal Schemes for students

Unit – IV: Education and Human Capital Formation (15 Hours)

Role of Education in improving employment opportunities - Various indices to measure educational status: Education Index, Literacy rate, Adult Literacy Rate and Gross Enrolment ratio - Importance of Education in economic development - Education system in India.

Unit – V: Education, Technology and Human Resource Development (15 Hours)

Human capital formation and socio-economic development - Knowledge revolution and Knowledge economy - New Challenges in the field of education - Demographic dividend - Workforce: planning, training and skill development through education - The New Education Policy in India and its challenges.

Books for Study

1. Jay Bhattacharya, Timothy Hyde, Peter Tu. *Health Economics*, Palgrave MacMillan.
2. Jack, William (1999), *Principles of Health Economics for Developing Countries*. World Bank Publications.

Books for Reference

1. Gary S. Becker, *Human Capital: A Theoretical and Empirical Analysis with Special Reference To Education*, Third Edition, The University Of Chicago Press.
2. World Development Report (1993), *Investing in Health*, The World Bank,
3. Folland, Goodman, and Stano (FSG). *The Economics of Health and Health Care*. 5th Edition. Pearson Prentice Hall Press
4. Kishor, Sunita and Gupta, Kamla (2009), *National Family Health Survey 2005-06: Gender Equality and Women's Empowerment in India. Handbook of Contemporary Education Economics*, 2nd edition, ISBN: 978 1 78536 906 3
5. Laxmi Devi (ed.) (1997), *Economics of Education*, Anmol Publications-New Delhi

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
V	21UEC53ES01B		DSE-1 : ECONOMICS OF HEALTH AND EDUCATION						5		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	3	3	2	3	3	3	1	2	2	2.4	
CO-2	3	3	3	3	3	3	3	3	3	2	2.9	
CO-3	3	2	3	2	2	2	3	3	2	2	2.4	
CO-4	3	3	3	2	2	2	3	3	2	2	2.5	
CO-5	3	3	3	3	3	1	3	1	3	2	2.5	
Mean overall Score											2.54 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53ES02A	DSE-2 : ECONOMICS OF INFRASTRUCTURE	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the significance and role of infrastructure in economic development. Identify the different sources of energy in Indian Economic development	K1
CO–2	estimate the demand for transport and cost in postal services and telephone industry	K2
CO–3	describe the significance and role of infrastructure in economic development.	K2
CO–4	illustrate the role of PPP in infrastructural development of India.	K3
CO–5	explain the infrastructural facilities available for service sector.	K4

Unit – I: Importance of Infrastructure

(15 Hours)

Infrastructure: Meaning, importance and role in economic development - Infrastructure as a Public good – Social and Physical infrastructure - Special characteristics of infrastructure - pricing of infrastructure.

Unit – II: Transport and Communication

(15 Hours)

Demand for Transport - Cost functions in the transport sector - principle of pricing - special problems of individual modes of transport - Functions of Toll Gate - Telephone utilities- Cost in Telephone Industry - characteristics of postal services - Role of ICT in Indian Context.

Unit – III: Energy, Electricity and Water Supply

(15 Hours)

Primacy of energy in the process of economic development – factors determining demand for energy- effects of energy shortages - energy conservation- renewable and non-renewable sources - Relative economics of Thermal, hydel and nuclear power plants - the case for a National Power Grid - Water: Sources, Demand and Supply Aspects.

Unit – IV: Education and Health

(15 Hours)

Education and economic growth - the case of universal, free, primary education, structure of higher education in India – Health Dimensions: Determinants of Health, Poverty, Malnutrition, Illiteracy and lack of health information.

Unit – V: Organisation and Financing of Infrastructure

(15 Hours)

Organisation and Financing of social services - Private Vs Public sector financing - Public and Private Partnership (PPP) in infrastructure - Regional infrastructure with special reference to Tiruchirappalli.

Books for Study

1. Dash. L.N (2007), *Economics of Infrastructure: Growth and Development*, Regal, New Delhi.
2. Reddy. K.C(2000), *Economics and Public Policy*, Himalaya Mumbai

Books for Reference

1. Ashok V. Desai (1990), *Energy Demand, Analysis, Management and Conservation*, Wiley Eastern.
2. Choudhuri. R.K. (1986), *Economics of Public Utility*, Himalaya Mumbai.
3. Raghuram G, & RekhaJain (1999), *Infrastructure Development and Financing*, Macmillan New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
V	21UEC53ES02A	DSE-2: ECONOMICS OF INFRASTRUCTURE									5	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	3	2	2	2	2.3	
CO-2	2	3	2	2	3	2	2	2	2	2	2.2	
CO-3	2	2	2	2	2	3	3	2	2	2	2.2	
CO-4	3	2	2	2	2	3	3	2	2	2	2.3	
CO-5	2	2	2	2	2	3	3	2	2	2	2.2	
Mean overall Score											2.24 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53ES02B	DSE – 2: ENVIRONMENTAL ECONOMICS	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	understand the importance of environmental impact on economic development.	K1
CO–2	describe the basics of environmental and energy economics.	K2
CO–3	illustrate the details of Environmental policies in India.	K3
CO–4	explain the environmental and energy related issues.	K4
CO–5	identify the causes of Industrial pollution.	K4

Unit – I: Introduction to Environmental Economics (15 Hours)

Definition, role and significance of Environment- Ecology, Eco-system: components, kinds and functions of Eco-system – Trade–off between economic growth and environment.

Unit – II: Natural Resources (15 Hours)

Importance of Natural resources: forest, water and soil - Need for conservation of resources: – Energy resources - Conservation of biodiversity - Methods of conservation.

Unit – III: Energy Economics (15 Hours)

Meaning and importance of energy economics - Energy Resources: Types and Classification Renewable and Non-renewable sources - Conventional and Non-conventional sources of energy.

Unit – IV: Energy Problems and Planning in India (15 Hours)

Nature of the energy problems in India - Present energy situation - Future energy demand - Energy Planning in India - Role of energy in economic development.

Unit – V: Environmental Issues and Legal Measures (15 Hours)

Industrial pollution – Trade related environmental issues - Environmental Law - Air Act, Water Act, Municipal solid waste rule 2000, Compensatory Afforestation Fund Act, 2016, Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Act, Pollution Control - Noise Pollution Control 2002 - Environmental Protection Act, 1986 - Energy policies in India.

Book for Study

Sankaran, *Environmental Economics*, Sterling, New Delhi, 2008.

Books for Reference

1. Dhulasi Birundha Varadarajan, *Energy Economics*, Sterling, New Delhi, 1993.
2. Karpagam, M., *Environmental Economics*, Sterling, New Delhi, 1999.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
V	21UEC53ES02B		DSE-2: ENVIRONMENTAL ECONOMICS						5		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	3	2	2	2	2.3	
CO-2	2	3	2	1	2	3	3	2	2	3	2.3	
CO-3	2	2	3	2	3	2	2	2	2	2	2.2	
CO-4	2	2	1	3	3	2	3	2	2	2	2.2	
CO-5	2	2	2	2	3	3	2	2	2	3	2.3	
Mean overall Score											2.3 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC53SP01	SELF PACED LEARNING: PRINCIPLES OF POLITICAL ECONOMY	-	2

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the discourse of economics.	K1
CO-2	explain the competing perspectives of what constitutes a good society.	K1
CO-3	understand the Marxian theory of class exploitation.	K2
CO-4	calculate the neoclassical measure of social welfare.	K3
CO-5	compare the demand for labour and supply of labour to reach labour market equilibrium.	K4

Unit – I: The Discourse of Economics

What is Economics? - A Brief History of the Discipline of Economics - The Dominance of Neoclassical Economics - The Positive/Normative Distinction in Neoclassical Economics- A Neoclassical Model of Production Cost.

Unit – II: A Good Society

Competing Perspectives of What Constitutes a Good Society - The Economic Problem and the Scarcity of Resources - The Neoclassical Ideal: Economic Efficiency - The Role of Societal Preferences in the Production Possibilities Model - The Neoclassical Classification Scheme for Economic Systems - A Marxian Classification Scheme for Social Formations.

Unit – III: The Neoclassical Theory of Supply and Demand

The Neoclassical Circular Flow Model - The Buyers’ Side of the Market - The Sellers’ Side of the Market – Equilibrium - Comparative Statics Analysis - Simultaneous Shifts in Supply and Demand - The Measurement of Social Welfare - The Economic Efficiency of Competitive Markets - The Possibility of Market Failure.

Unit – IV: The Marxian Theory of Class Exploitation

The Early History of Marxian Economics - A Marxian Circular Flow Model - Commodities and Money - The Circulation of Commodities and the Meaning of Capital-The Commodity Labor-Power and the Determination of its Value- The Rate of Surplus Value and the Rate of Profit - The Production of Absolute Surplus Value and Relative Surplus Value.

Unit – V: Theories of the Labour Market

The Neoclassical Theory of the Demand for Labour - The Neoclassical Theory of the Supply of Labour - The Neoclassical Theory of Labour Market Equilibrium - A Neoclassical Theory of Exploitation - The Economic Consequences of Labour Union Activity - The Marxian Theory of the Market for Labour Power

Book for Study

Daniel E Saros, *Principles of Political Economy A Pluralistic Approach to Economic Theory*, 3rd Edition bepress, Berkely 2020.

Books for Reference

1. Henry Sidgwick, *The Principles of Political Economy*, Cambridge Library Collection, 2011.
2. John Stuart Mill, *Principles of Political Economy*, Createspace Independent Pub; Abridged edition, 2014.
3. Ravenhill, J. *Global Political Economy*. Oxford: Oxford University Press, 2016.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours	Credits	
V	21UEC53SP01		SELF-PACED LEARNING: PRINCIPLES OF POLITICAL ECONOMY						-	2	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	3	1	1	3	3	2	2	2.2
CO-2	3	3	1	2	1	2	3	2	2	1	2.0
CO-3	3	3	3	3	2	1	2	3	2	1	2.3
CO-4	3	3	2	3	1	3	3	2	2	1	2.3
CO-5	2	3	3	3	1	1	2	3	2	2	2.2
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
V	21USS54SE03	SEC-3: SOFT SKILLS	2	1

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	be keen on developing and sustaining Soft Skills required of an educated youth	K1
CO-2	be trained to present the best of themselves as job seekers to deal with any problem and conflict situations.	K2
CO-3	be able to transfer the skills learnt for concrete outcomes and increased productivity of companies.	K2
CO-4	be able to develop people skills, life skills that are required to be a good human in the long run and set a living standard	K3
CO-5	be embedded with Employability skills such as “communication”, "teamwork", "initiative, “enterprise”, the attributes of "reliability", "balance between work -life“, "commitment” and continuous learning analyze the bonding in molecules and ions by applying MO theory.	K4

Module 1: **Effective Communication**

Definition of communication, Barriers of Communication, Verbal and Non-verbal Communication; Self introduction matrix, Conversation Techniques, Good manners and Etiquettes, Introduction to Professional Communication, Professional Grooming and Presentation Skills and exercises

Module II: **Resume Writing & Interview skills**

Resume Writing: Basic Resume Formats. Types of Resume - Chronological, Functional and Mixed Resume, Steps in preparation of Resume, Sample objectives, Model Resumes. **Interview Skills:** Preparation for interview, Common interview questions, Attitude, Body Language, Mock interviews and Practicum, Figuring out common interview questions and answers

Module III: **Group Discussion:** Definition of GD. The salient features of GD, Factors that influence GD, Outcome of GD, Tips for success in GD, Parameters of GD, Essential Points for GD preparation, GD Topics, Model GD and Practicum.

Module IV: **Personal Effectiveness:** Self Discovery: Personality, Traits of Personality; Personality Tests; Intelligence and Skill Assessment Form. **Goal Setting:** Goal setting Process, Questionnaires & Presentations

Module V: **Numerical Ability:** Average, Percentage; Profit and Loss, Area, Volume and Surface Area. (Simple Interest, Compound Interest; Time and Work, Pipes and

Cisterns; Time and Distance, Problems on Trains, Illustrations, Boats and Streams; Illustrations-Optional)

Module VI: Test of Reasoning - Verbal Reasoning: Series Completion, Analogy. **Non-Verbal Reasoning**

Books for Study

Melchias G, Balaiah John, John Love Joy (Eds), 2018. *Straight from the Traits: Securing Soft Skills*, SJC, Trichy.

Books for References

1. Aggarwal, R.S. 2010. *A Modern Approach to Verbal and Non Verbal Reasoning*. S.Chand, New Delhi.
2. Covey, Stephen. 2004. *7 Habits of Highly effective people*, Free Press. Egan, Gerard. (1994).
3. *The Skilled Helper* (5th Ed). Pacific Grove, Brooks/Cole.
4. Khera ,Shiv 2003. *You Can Win*. Macmillan Books , Revised Edition.
5. Melchias G, Balaiah John, John Love Joy (Eds), 2018. *Winners in the Making: A primer on soft skills*. SJC, Trichy.

Other books

1. Murphy, Raymond. 1998. *Essential English Grammar*. 2nd ed., Cambridge University Press.
2. Sankaran, K., & Kumar, M. *Group Discussion and Public Speaking*. M.I. Pub, Agra, 5th ed., Adams, Media.
3. Trishna's 2006. *How to do well in GDs & Interviews*, Trishna Knowledge Systems.
4. Yate, Martin. 2005. *Hiring the Best: A Manager's Guide to Effective Interviewing and Recruiting*

Semester	Course Code	Title of the Course	Hours	Credits
V	21UEC54EG01	GENERIC ELECTIVE-1 (WS): PRINCIPLES OF ECONOMICS	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the basic concepts, principles, motives and behavior of an individual and firm.	K1
CO–2	explain the scope and methodology of microeconomics.	K2
CO–3	calculate National income.	K3
CO–4	analyse Producer's equilibrium, Production function and Returns to scale.	K4
CO–5	explain Cost functions, Revenue functions and Profit estimation.	K4

Unit – I: Nature and Scope of Economics (12 Hours)

Meaning and definitions of Economics – Basic concepts in Economics: Production, consumption and distribution - Nature, scope and importance of Economics - Limitations of Economics.

Unit – II: Demand Analysis (12 Hours)

Meaning of demand and supply and their determinants; Demand, Supply and Market Equilibrium; Demand elasticity and its types; Demand forecasting - Need for demand forecasting – methods of forecasting – criteria for good forecasting.

Unit – III: The Production Process and the Cost of Production (12 Hours)

Meaning of production – definition and the importance of production function; Laws of Production – Variable proportions (short run) – Returns to Scale (long run); Cost concepts – Cost-output Relationship; Economies and diseconomies of scale.

Unit – IV: Pricing Techniques (12 Hours)

Full cost pricing – Marginal pricing – Target pricing – Peak load pricing – Going rate pricing – Cyclical pricing – Customary pricing – Product line pricing – Skimming pricing – Penetrating pricing.

Unit – V: National Income and Economic Policies (12 Hours)

National income – components; methods and difficulties in the calculation of National income; Monetary policy – Fiscal policy.

Books for Study

1. S. Sankaran (2012), *Micro Economics*, 7th Edition, Margham Publications, Chennai.
2. L. Ahuja (2019), *Principles of Micro Economics – A New look at Economic Theory*, S

Chand, New Delhi.

Books for Reference

1. Kennedy, Maria John M, (1999), *Advanced Micro Economic Theory* (2nd Edition), Himalaya Publishing House, New Delhi.
2. Stigler, G, (1996), *Theory of Price* (4th Edition), Prentice Hall of India, New Delhi.
3. Jhingan M. L, (2014), *Principles of Economics*, (4th Edition), Vrinda Publications P. Ltd, New Delhi.
4. N. Mankiw, (2017), *Principles of Economics*, 9th Edition, CENGAGE Learning Custom Publishing.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours		Credits	
V	21UEC54EG01		GENERIC ELECTIVE – 1(WS): PRINCIPLES OF ECONOMICS					4		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	2	2	3	2	3	1	1	2	2	2
CO-2	3	3	3	3	2	3	2	1	2	3	2.5
CO-3	3	2	3	3	3	3	3	2	2	3	2.7
CO-4	3	3	3	3	2	3	3	3	3	2	2.8
CO-5	3	3	3	3	2	3	3	2	3	3	2.8
Mean overall Score											2.56 (High)

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63CC11	CORE – 11: HISTORY OF ECONOMIC THOUGHT	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	state the origin and development of economic ideas.	K1
CO–2	compare the different schools of economic thought.	K2
CO–3	apply the economic theories in different economic conditions.	K3
CO–4	experiment the economic ideas to develop ethical and social values.	K3
CO–5	analyse the government policies from the perspectives of different economic ideas.	K4

Unit – I: Ancient and Medieval Economic Thought (21 Hours)

Nature and importance of Economic thought – The Hebrew Economic thought – Economic ideas of Plato and Aristotle – The Roman thought - Economic ideas of Thiruvalluvar – Medieval Economic Thought: St.Thomas Aquinas - Mercantilism: Role of the state, money, interest and balance of trade – Ideas of Thomas Mun - Physiocracy: main ideas of Physiocrats

Unit – II: Classical Economic Thought (21 Hours)

Economic ideas of Adam Smith: division of labour, theory of value, wages, capital, the role of money, Laissez faire policy and role of government - Ideas of Jeremy Bentham - Thomas Robert Malthus: Theory of population, Theory of gluts - David Ricardo: theory of value, theory of rent and Profits - Economic ideas of J S Mill.

Unit – III: Socialistic Ideas and the Marginalist School (21 Hours)

Economic ideas of St. Simon, Simonde de Sismondi and Robert Owen – Karl Marx: Marxian system, Class struggle, Theory of value, theory of surplus value, Socialism and crisis of capitalism - Institutional School: Economic ideas of Veblen - Marginalism: – Stanley Jevons, Carl Menger and Leon Walras - Alfred Marshall: Theory of value, Consumer's surplus, Prime and Supplementary costs, External and Internal economies, Representative Firm and Quasi-rent.

Unit – IV: Indian Economic Thought (21 Hours)

Economic ideas of R.C. Dutt, Naoroji and Ranade - Gandhian Economics - Economic ideas of Dr.B.R. Ambedkar - Jawaharlal Nehru: Planning, Democracy and Secularism - Indira Gandhi: Bank nationalization and 20 Point Programme – Economic ideas of Periyar E.V.Ramasami and Arignar C.N.Annadurai.V.K.R.V.Rao and C.N.Vakil

Unit – V: Nobel Laureates in Economics**(21 Hours)**

Economic ideas of – Gunnar Myrdal - Theoder W Schulz – Gary S Becker - George Akerlof - Joseph E Stiglitz - Robert E. Lucas, Paul Krugman – Amartya Sen - Daniel Kahneman - Abhijit Banerjee, Esther Duflo and Michael Kremer

Books for Study

1. Loganathan,V.(2018), *A History of Economic Thought* - S. Chand, New Delhi.
2. Sankaran. S (2010) *A History of Economic Thought*, Margham Publications, Chennai, 2006.

Books for Reference

1. R.R. Paul, (2015) *History of Economic Thought*, Kalayni Publishers, Punjab
2. Eric Roll, *A History of Economic Thought*, Faber and Faber, London
3. Gray, Alexander, (1948), *Development of Economic doctrines*, Longman London.
4. Haney, Lewis H., (1911), *History of Economic Thought*, Macmillan, New york.
5. Madan G.R., *History and Development of Economic Thought*, S.Chand, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code	Title of the Course									Hours	Credits
VI	21UEC63CC11	CORE-11: HISTORY OF ECONOMIC THOUGHT									7	4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	2	1	3	3	2	2	2	2	3	2	2.2	
CO-2	2	3	1	2	2	3	3	3	2	1	2.2	
CO-3	1	2	2	3	2	3	2	2	3	2	2.2	
CO-4	3	3	3	2	3	3	2	3	2	2	2.6	
CO-5	2	2	2	2	2	2	2	2	3	2	2.1	
Mean overall Score											2.26	(High)

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63CC12	CORE-12: PUBLIC FINANCE	7	4

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the concepts of public expenditure, public revenue and public debt.	K1
CO–2	compare the significance of public and private finance.	K2
CO–3	analyze the different kinds of taxes.	K2
CO–4	interpret the recent trends in public expenditure, taxation and budgetary policy.	K3
CO–5	compare the financial relationship in a federal system.	K4

Unit – I: Nature and Scope of Public Finance (21 Hours)

Meaning, scope and importance of Public Finance - Normative and Positive Approach- Role of State on economic activities - Comparison of Public and Private finance – Public Goods and Externalities.

Unit – II: Concepts of Public Expenditure (21 Hours)

Meaning and causes of Public Expenditure – Distinction between Public and Private Expenditure – Canons of Public Expenditure – Classifications of Public Expenditure – Effects of Public Expenditure.

Unit – III: Concepts of Public Revenue (21 Hours)

Meaning and causes of Public Revenue – Classification of Public Revenue - Main sources of Public Revenue: Tax Revenue and Non-Tax Revenue - characteristics, objectives, canons and kinds of tax- Impact, shifting, incidence, evasion and effects of taxation.

Unit – IV: Concepts of Public Debt and Budget (21 Hours)

Meaning, causes, importance and types of Public Debt - Principle of Public Debt Management - Budgetary procedure in India - Agencies involved in financial administration and parliamentary control on budget - Current budget - Fiscal policy: concepts (fiscal deficit, revenue deficit and primary deficit), Instruments, Objectives and Limitations – FRBM Act

Unit – V: Federal Finance (21 Hours)

Meaning and importance of federalism - Principles of Federal Finance - Fiscal Federalism in India – Centre-State Financial relations - Features of PFMS - Finance Commission: Recent Finance Commission.

Books for Study

1. Tyagi. B.P (2012) *Public Finance*, Jai Prakash Nath, Meerut.
2. Maria John Kennedy M (2012) *Public Finance*, PHI Learning Pvt. Ltd, New Delhi

Books for Reference

1. Singh S K (2014) *Public Finance Theory and Practice*, S Chand &co Ltd, New Delhi
2. H.L. Bhatia (1999), *Public Finance*, Vikas, New Delhi.
3. Musgrave and Musgrave (1984), *Public Finance in Theory and Practice*, McGraw Hill, New Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
VI	21UEC63CC12		CORE-12: PUBLIC FINANCE						7		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	2	3	3	2	2.4	
CO-2	2	3	2	2	2	2	3	3	2	2	2.3	
CO-3	1	2	2	3	2	3	2	2	2	2	2.1	
CO-4	1	3	2	2	2	2	3	2	3	2	2.2	
CO-5	1	3	2	2	3	3	2	3	2	2	2.3	
Mean overall Score											2.26 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63ES03A	DSE-3: INTERNATIONAL ECONOMICS	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the concepts and theories of international trade.	K1
CO–2	estimate the gains from international trade	K2
CO–3	illustrate the principles that govern the free flow of goods and services at the international level.	K3
CO–4	compare the foreign exchange rate and balance of payments between countries	K4
CO–5	analyse the functions of international economic institutions.	K4

Unit – I: Concept of International Trade and Classical Theories (15 Hours)

Nature of International trade – Internal and International trade – Classical theory of International trade: Adam Smith’s Absolute Advantage Theory – Ricardo’s Comparative Cost Theory – Mill’s Theory of Reciprocal Demand.

Unit – II: Modern Version of Theories of International Trade (15 Hours)

Haberler’s Opportunity cost version of Comparative cost theory – Heckscher–Ohlin Theory of Factor Endowment – Marshall-Edgeworth Offer curves – Gains from international trade – The Terms of Trade: Concepts and Measurement.

Unit – III: Exchange Rate Control (15 Hours)

Exchange Rate: Definition – Types of Exchange Rate: Fixed vs Flexible Exchange Rate – Theories of Foreign Exchange Rate: The Mint-Parity Theory – The Purchasing Power Parity Theory – BoP Theory.

Unit – IV: Balance of Trade and Balance of Payments (15 Hours)

BoT – BoP – Current Account, Capital Account – Visible and Invisible – Causes for Disequilibrium in Balance of Payments – Methods of correcting the disequilibrium – Devaluation of Currency – Convertibility of Currency: Partial Account and Full Account

Unit – V: International Economic Institutions (15 Hours)

Free Trade vs Protection – Tariffs – Quotas – International Economic Institutions: IMF, IBRD, WTO & UNCTAD – Trade blocs: EU, OPEC, SAARC, ASEAN, BRICS, STEC and RCEP.

Book for Study

Mithani D. M, *International Economics*, Himalaya Publishing House, Mumbai, 2007.

Books for Reference

1. Rana K.C. & Verma K.N, *International Economics*, Vishal, Jalandhar, Delhi.
2. Jhingan. M.L, *International Economics*, Vrindha, New Delhi 2000.
3. Soderston Bo, *International Economics*, Macmillan, London, 2005.
4. Cherunilam F, *International Economics*, Tata McGraw-Hill, 2011.
5. Salvatore D, *International Economics*, Prentice Hall, 1998.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course					Hours	Credits		
VI	21UEC63ES03A		DSE – 3: INTERNATIONAL ECONOMICS					5	3		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	3	2	3	2	3	3	2	2	3	2.6
CO-2	3	3	2	3	2	3	3	3	2	3	2.7
CO-3	3	2	1	1	2	3	3	2	3	3	2.3
CO-4	3	3	2	3	2	3	3	3	2	3	2.7
CO-5	1	3	1	1	2	3	3	2	2	3	2.1
Mean overall Score											2.48 (High)

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63ES03B	DSE-3 : MONEY AND FINANCIAL MARKETS	5	3

CO No.	CO-Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO-1	describe the role played by money and its impact on other economic indicators.	K1
CO-2	discuss the effects of asymmetric information on financial markets and identify ethical business decisions.	K2
CO-3	apply the knowledge of economics and finance to serve the demand of financial markets.	K3
CO-4	analyse the data to solve real world problems with the help of efficient analytical tools.	K4
CO-5	explain sustainable development concepts in organisational and societal culture.	K4

Unit – I: Money (15 Hours)

Money: concepts, functions, measurement; Theories of determination of money supply.

Unit – II: Financial Institutions and Markets (15 Hours)

Role of financial markets and institutions; problem of asymmetric information - adverse selection and moral hazard - financial crises - Money and capital markets: organization, structure and reforms in India - role of financial derivatives and other innovations.

Unit – III: Interest Rates (15 Hours)

Determination; sources of interest rate differentials - theories of term structure of interest rates - interest rates in India.

Unit – IV: Banking System (15 Hours)

Balance sheet and portfolio management - Indian banking system: Changing role and structure - banking sector reforms.

Unit – V: Central Bank and Monetary Policy (15 Hours)

Functions, balance sheet; goals, targets, indicators and instruments of monetary control; monetary management in an open economy; current monetary policy of India.

Books for Study

1. F. S. Mishkin and S. G. Eakins, *Financial Markets and Institutions*, Pearson Education, 6th edition, 2009.
2. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, *Foundations of Financial Markets and Institutions*, Pearson Education, 3rd edition, 2009.
3. M. R. Baye and D. W. Jansen, *Money, Banking and Financial Markets*, AITBS, 1996.
4. Rakesh Mohan, *Growth with Financial Stability- Central Banking in an Emerging Market*, Oxford University Press, 2011.

Books for Reference

1. L. M. Bhole and J. Mahukud, *Financial Institutions and Markets*, Tata McGrawHill, 5th edition, 2011.
2. M. Y. Khan, *Indian Financial System*, Tata McGraw Hill, 7th edition, 2011.
3. N. Jadhav, *Monetary Policy, Financial Stability and Central Banking in India*, Macmillan, 2006.
4. R.B.I. – *Report of the Working Group: Money Supply Analytics and Methodology of Compilation*, 1998.
5. R.B.I. Bulletin, *Annual Report and Report on Currency and Finance* (latest).

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours	Credits	
VI	21UEC63ES03B		DSE-3: MONEY AND FINANCIAL MARKETS						5	3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	2	2	1	1	3	2	3	3	2	3	2.2
CO-2	3	3	2	3	1	2	3	3	3	2	2.5
CO-3	3	2	2	3	3	2	3	2	3	3	2.6
CO-4	2	2	1	3	2	2	3	3	3	2	2.3
CO-5	3	3	3	2	3	1	3	2	3	1	2.4
Mean overall Score											2.4 (High)

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63ES04A	DSE – 4: TAMIL NADU ECONOMY	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	describe the economy of the State of Tamil Nadu.	K1
CO–2	compare the economic progress made in various sectors of the Economy of Tamil Nadu.	K2
CO–3	apply knowledge gained in the subject in cracking competitive examinations for employment within the state of Tamil Nadu.	K3
CO–4	analyze the role played by the Government of Tamil Nadu in implementing development programmes with global competitiveness.	K4
CO–5	compare Tamil Nadu economy with other states in India.	K4

Unit – I: Basic Characteristics of Tamil Nadu (15 Hours)

Geographical location of Tamil Nadu - Resource endowments of Tamil Nadu: land, minerals, forests, livestock, monsoon and climate, human resources - Population growth: demographic indicators and trends - urbanization and migration in Tamil Nadu.

Unit – II: Agricultural Sector (15 Hours)

Land use pattern – agro-climatic zones – cropping pattern and major crops; Sources and types of irrigation; Green revolution in Tamil Nadu - Agricultural marketing: Regulated markets - UzhavarSandhai – animal husbandry and fisheries - Role of the government in agricultural development.

Unit – III: Industrial and Service Sectors (15 Hours)

Major industries – automobile, leather, textile, sugar, cement, software - MSMEs & Start-ups – Industrial development organizations: KVIC, DIC, EPZ, SPZ, SEZ, ELCOT - Role of the Government in industrial development - Contribution of the tertiary sector to the economic progress of Tamil Nadu.

Unit – IV: Infrastructure and Development Programmes (15 Hours)

Transport: road, rail, air and water – Energy: hydro, thermal and nuclear power – Healthcare - Education – Banking – Unemployment - Anti-poverty programmes - Human development programmes - Social security programmes and Smart-city Schemes implemented by the Government of Tamil Nadu.

Unit – V: Performance of Tamil Nadu Economy (15 Hours)

Dynamism of the economy in the context of the pre and post reform era -Trends in the State's SGDP and financial status: revenue, expenditure and debt - Vision 2023 – targets and achievements - Tamil Nadu as a destination for foreign investment - Current year Budget.

Books for Study

1. Leonard (2006), *Tamil Nadu Economy*, Macmillian, New Delhi.
2. Manickam S. (2013), *Perspectives on Economic Development of Tamil Nadu*

Books for Reference

1. V.K. Natraj (Editor), A. Vaidyanathan (Editor), (2014), *Development Narratives: The Political Economy of Tamil Nadu*, Academic Foundation.
2. Rajalakshmi, V, (2002), *Tamil Nadu Economy*, Business Publishers, Mumbai.
3. Perumalsamy, S. (1990), *Economic Development of Tamil Nadu*, S.Chand &Co. Ltd, New Delhi
4. MIDS, *Tamil Nadu Economy – Performance and Issues*
5. S.Sankaran, (2017), *Indian Economy*, Margham Publications, Chennai.
6. *Human Development Index Report of Tamil Nadu*, State Planning Commission of Tamil Nadu

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours		Credits	
VI	21UEC63ES04A		DSE-4 : TAMIL NADU ECONOMY						5		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	3	2	3	3	2	3	3	2.6	
CO-2	3	2	3	3	2	2	3	1	3	2	2.4	
CO-3	3	2	2	3	3	3	2	2	3	3	2.6	
CO-4	3	2	3	3	3	3	3	2	3	2	2.7	
CO-5	3	3	3	3	3	2	3	1	3	2	2.6	
Mean overall Score											2.58 (High)	

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC63ES04B	DSE – 4 : ECONOMICS OF GENDER DEVELOPMENT	5	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the role of women in Household sector and National economy.	K1
CO–2	explain gender issues and interpret women discrimination on social perspective.	K2
CO–3	discover the need to prioritize women education and health care.	K3
CO–4	explain participation of women in the Labour work force and their contribution towards GDP.	K4
CO–5	analyze all prevailing laws providing social security to women.	K4

Unit – I: Women as Human Resource (15 Hours)

Human Capital Theory- Investment in Women – Economic role of women in India before and after Independence – Contribution of women in GNP – Household economy and its contribution.

Unit – II: Demographic Issues (15 Hours)

Sex ratio – Age composition – Female IMR & Fertility rate – Population policy pertaining to women – Crimes against women – Female infanticide and Foeticide – Gender bias – Laws protecting women against violence.

Unit – III: Health and Educational Status of Women in India (15 Hours)

Five Year Plans and women development and empowerment – Gender education, skill, productivity, efficiency and opportunity – Female activities and ecological and environmental concerns – Economic status - Factors affecting decision making by women - Access to control over economic resources – A.K.Sen’s views.

Unit – IV: Labour Market (15 Hours)

Labour force participation in organised and unorganised sector – Invisibility of women labour in household sector – Occupational pattern of Women employment in India – Work Participation Rate - Determinants of women employment – Problems of Women Workers: Wage Discrimination - Job Security - Equal Pay - Sexual Harassment in work place - BPO Sector - Gender Budgeting - Gender Development Index.

Unit – V: Social Security of Women**(15 Hours)**

Ensuring economic independence, risk, courage, access to credit and insurance markets – SHGs - Review of legislation for women's rights and duties – Schemes for safety net for women.

Book for Study

Ghosh B. N, Parvesh K. Chopra, *Gender and Development: Theory, History, Policy and Cases*, Wisdom House, U.K, 2002.

Books for Reference

1. Boserup.E, *Women's Role in Economic Development*, George Allenand Unwin, London, 2018.
2. Desai. N, and Raj M.K, *Woman and Society in India*, Research centre for women studies, SNDT University, Mumbai, 2016.
3. Krishnaraj M., Sudarashan R.M. and Shariff. A., *Gender, populationand Development*, OUP, New Delhi, 2018.
4. Seth.M, *Women and Development: the Indian Experience*, Sage, NewDelhi, 2018.
5. Leonard. A.G, *Tamilnadu Economy*, Macmillan India, 2017.
6. Government of Tamilnadu, *Tamil Nadu Development Report*.
7. Government of India, *Five Year Plan*.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours	Credits	
VI	21UEC63ES04B		DSE-4: ECONOMICS OF GENDER DEVELOPMENT						5	3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	2	2	2	1	3	3	2	2	3	2.2
CO-2	2	3	2	1	2	3	3	2	2	3	2.3
CO-3	1	2	3	2	3	2	3	2	3	2	2.3
CO-4	1	2	2	3	1	2	3	2	2	3	2.1
CO-5	1	2	2	2	3	1	3	2	2	3	2.1
Mean overall Score											2.2 (High)

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC64SE04	SEC – 4 (WS) : CONTEMPORARY ISSUES IN ECONOMICS	2	1

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	define the basic concepts related to contemporary issues in Economics.	K1
CO–2	understand media discussions to know about Fiscal policy of India.	K2
CO–3	understand the government policies to increase the people’s participation in economic decision making.	K2
CO–4	relate the theoretical framework of microeconomics and macroeconomics courses to the Indian context.	K3
CO–5	analyse contemporary issues that figure in high profile government documents in particular to the Economic survey and the Union Budget.	K4

Unit – I: Fiscal Policy and Public Expenditure (6 Hours)

Fiscal Policy, need for government spending, areas of government spending in India - Capital expenditure, revenue expenditure, plan expenditure, non-plan expenditure.

Unit – II: Fiscal deficits (6 Hours)

Deficits - Fiscal, Primary and revenue – impact of fiscal deficit on Economy - need to control fiscal deficits in India - Fiscal devolution and centre-state financial relations in India.

Unit – III: Public Revenue (6 Hours)

Zero - base budgeting - Gender budgeting - Capital receipts, revenue receipts, tax and non tax revenue - direct and indirect taxes - need to rationalize tax structure - Goods and Services Tax.

Unit – IV: Economic Survey (6 Hours)

Economic Survey - Agriculture and food management - Industry and infrastructure - Services sector - External sector.

Unit – V: Union Budget (6 Hours)

The Union Budget - Need for the budget - Understanding the process of budget making in India - Analysis of budget in terms of various parameters – Deficits - trends in fiscal deficit and revenue deficit – Receipts - proposed sources of revenue and expected growth in revenue – Expenditure - Expenditure pattern and expected growth in expenditure.

Book for Study

Tyagi B.P & Singh H.P, *Public Finance*, Jai Prakash Nath & Co publishers, Meerut, 2015.

Books for Reference

1. Singh S.K, *Public Finance in Theory and Practice*, S.Chand publishers, New Delhi, 2010
2. Bhatia H.L, *Public Finance*, Vikas Publishing house, New Delhi, 2018.
3. <https://www.indiabudget.gov.in/budget2020-21/economicsurvey/index.php>
4. <https://www.indiabudget.gov.in/>

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course						Hours	Credits	
VI	21UEC64SE04		SEC-4 (WS): CONTEMPORARY ISSUES IN ECONOMICS						2	1	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	
CO-1	3	3	2	3	1	3	2	3	2	2	2.4
CO-2	3	3	2	3	2	3	2	2	2	3	2.5
CO-3	3	3	2	3	1	3	3	2	2	1	2.3
CO-4	3	3	1	2	1	2	3	3	2	2	2.2
CO-5	2	3	3	3	2	3	2	3	2	2	2.4
Mean overall Score											2.4 (High)

Semester	Course Code	Title of the Course	Hours	Credits
VI	21UEC64EG02	GENERIC ELECTIVE – 2: ECONOMICS FOR COMPETITIVE EXAMS	4	3

CO No.	CO–Statements	Cognitive Levels (K –Levels)
	On successful completion of this course, students will be able to	
CO–1	examine the performance of different sectors of the economy.	K1
CO–2	discuss the basics of general economic issues.	K2
CO–3	illustrate the demographic features of Indian economy.	K3
CO–4	analyse the economic policies of India.	K4
CO–5	analyse the recent developments and its impact on Indian economy.	K4

Unit – I: Growth and Development experience in India (12 Hours)

Economic Growth in India - National Income - Determination, GDP, GNP, NDP, NNP, Personal Income - Economic Growth versus Economic Development - Measures of Economic Development: Human Development Index, Green GDP, Gross National Happiness Index - Economic and Social Development in India: Millennium Development Goals and Sustainable Development Goals of India.

Unit – II: Indian Sectoral Development (12 Hours)

Agriculture - Historical background and current status - Land reforms in India - Situation of Indian Agriculture - Cropping Patterns - Issues related to direct and indirect farm subsidies and minimum support prices. Industry - Industrial development in India - Industrial Policy in India - Public sector undertakings in India - Privatization of the Public Sector Enterprises. Banking sector reforms.

Unit – III: Demography (12 Hours)

Census data: populations by gender, by state, by age group, socio-economic status, literacy levels. Trends in human development – interstate comparison - Vital Statistics.

Unit – IV: Poverty, Inequality, and Unemployment (12 Hours)

Poverty in India: Types of Poverty, Causes of Poverty, Vicious Circle of Poverty - Poverty Lines in India: Estimations and Committees - Income Inequality in India: Causes, Remedies, and Consequences - Unemployment in India: Definition, Types, Cause, Consequences and Measures.

Unit – V: External sector**(12 Hours)**

India's Balance of Payments - Balance of Payment versus Balance of Trade, Current Account versus Capital Account - FDI and FPI in India - External Commercial Borrowings, Foreign Exchange Reserves in India - Foreign Exchange Rate Determination in India and Types of Exchange Rate - Capital and Current Account Convertibility in India.

Books for Study

1. Uma Kapila, *Indian Economy*, 20th Edition, ISBN: 8171887902, Published by Academic Foundation, 2020.
2. Ramesh Singh, *Indian Economy for Civil Services, Universities and Other Examinations* | 12th Revised Edition 2020.

Books for Reference

1. R.B.I. – *Report of the Working Group: Money Supply Analytics and Methodology of Compilation*, 1998.
2. *R.B.I. Bulletin, Annual Report and Report on Currency and Finance* (latest).
3. Stephen A. Ross, Randolph W. Westerfield and Bradford D. Jordan, *Fundamentals of Corporate Finance*. McGraw-Hill, 7th edition, 2005.
4. Dhingra I.C, *Indian Economy* (28th Edition), Sultan Chand & Co., New Delhi, 2014.
5. Mishra & Puri - *Economics of Development and Planning*, Himalaya, Mumbai, 7th edition, 2005.
6. Meier, G.M. *Leading Issues in Economic Development*, O U P, New Delhi, 6th edition, 1995.
7. Rana K.C.&Verma K.N, *International Economics*, Vishal, Jalandhar, Delhi.

Relationship matrix for Course outcomes, Programme outcomes /Programme Specific Outcomes

Semester	Course code		Title of the Course								Hours	Credits
VI	21UEC64EG02		GENERIC ELECTIVE-2: ECONOMICS FOR COMPETITIVE EXAMS								4	3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos	
	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5		
CO-1	3	2	2	2	2	3	3	2	2	3	2.4	
CO-2	1	3	2	1	2	3	3	2	2	3	2.2	
CO-3	2	2	3	2	3	2	3	2	3	2	2.4	
CO-4	2	2	2	3	2	2	3	2	2	2	2.2	
CO-5	2	2	2	2	3	1	2	2	2	3	2.1	
Mean overall Score											2.26 (High)	

B.A. ECONOMICS
SYLLABUS - 2017

SCHOOL OF EXCELLENCE
with
CHOICE BASED CREDIT SYSTEM (CBCS)



SCHOOL OF MANAGEMENT STUDIES
St. JOSEPH'S COLLEGE (Autonomous)

Special Heritage Status Awarded by UGC
Accredited at 'A' Grade (3rd cycle) by NAAC
College with Potential for Excellence Conferred by UGC
DBT-STAR & DST-FIST Sponsored College
TIRUCHIRAPPALLI - 620 002, INDIA

**SCHOOLS OF EXCELLENCE
WITH CHOICE BASED CREDIT SYSTEM
(CBCS)**

UNDERGRADUATE COURSES

St. Joseph's College (Autonomous), a pioneer in higher education in India, strives to work towards the academic excellence. In this regard, it has initiated the implementation of five "Schools of Excellence" from the academic year 2014 – 15, to standup to the challenges of the 21st century.

Each School integrates related disciplines under one roof. The school system allows the enhanced academic mobility and enriched employability of the students. At the same time this system preserves the identity, autonomy and uniqueness of every department and reinforces their efforts to be student centric in curriculum designing and skill imparting. These five schools will work concertedly to achieve and accomplish the following objectives:

- Optimal utilization of resources both human and material for the academic flexibility leading to excellence.
- Students experience or enjoy their choice of courses and credits for their horizontal mobility.
- The existing curricular structure as specified by TANSCH and other higher educational institutions facilitate the Credit-Transfer Across the Disciplines (CTAD) - a uniqueness of the choice based credit system.
- Human excellence in specialized areas
- Thrust in internship and / or projects as a lead towards research and
- The multi-discipline nature of the newly evolved structure (School System) caters to the needs of stake-holders, especially the employers.

What is Credit system?

Weightage to a course is given in relation to the hours assigned for the course. Generally one hour per week has one credit. For viability and conformity to the guidelines credits are awarded irrespective of the teaching hours. The following Table shows the correlation between credits and hours. However, there could be some flexibility because of practicals, field visits, tutorials and nature of project work.

For UG courses, a student must earn a minimum of 150 credits as mentioned in the table below. The total number of minimum courses offered by a department are given in the course pattern.

**SUMMARY OF HOURS AND CREDITS
UG COURSES**

Part	Semester	Specification	No. of Courses	Hours	Credits	Total Credits
I	I-IV	Languages (Tamil/Hindi/French/Sanskrit)	4	16	12	12
II	I-IV	General English	4	20	12	12
III	I-VI	Core Theory Practicals Project Work	11-16 3-6 1	90	60	98
	IV-VI	Core Electives Self-paced Learning (Partial Online Course)	3 1	12 -	12 2	
	VI	Comprehensive Examination	1	-	2	
	I-VI	Allied	4/6	24	20	
	III & V	Extra Credit Courses	2	-	(4)	
	VI	Internship	1	-	2	
IV	V	Skilled Based Electives: Between Schools (BS)	1	2	2	23
	VI	Within School (WS)	1	2	2	
	V	Inter Departmental Courses (IDC) Soft Skills / NCC	1	2	2	
	I	Non-Major Courses (NMC) Communicative English	1	-	5	
	II	Computer Literacy	1	2	2	
	III	Environmental Studies (Partial Online Course)	1	2	2	
V	I-IV	Value Education	4	8	8	5
	I-V	SHEPHERD & Gender Studies	-	-	-	
	I-V	AICUF, Fine Arts, Nature Club, NCC, NSS	-	-	-	
	V	Career Guidance & Training	-	-	-	
		TOTAL		180	150	150 (+4 extra credits)

Course Pattern

The Undergraduate degree course consists of five vital components. They are as follows:

- Part-I : Languages (Tamil / Hindi / French / Sanskrit)
 Part-II : General English
 Part-III : Core Course (Theory, Practical, Core Electives, Allied, Project, Internship and Comprehensive Examinations)
 Part-IV : SBE, NMC, Value Education, Soft Skills/National Cadet Corps and Environmental Studies (EVS)
 Part-V : Community Service (SHEPHERD) and Gender Studies, AICUF, Fine Arts, Nature Club, NCC, NSS, etc.

Non-Major Courses (NMC)

There are three NMC's – Communicative English, Computer Literacy and Environmental Studies offered in the I, II & III Semesters respectively.

Extra Credit Courses

In order to facilitate the students gaining extra credits, the extra credit courses are given. There are two extra credit courses – Massive Open Online Courses (MOOC) and Skill-based Course – offered in the III and V Semesters respectively.

According to the guidelines of UGC, the students are encouraged to avail this option of enriching by enrolling themselves in the MOOC provided by various portals such as SWAYAM, NPTEL, etc. Skill based course is offered by the department apart from their regular class hours.

Value Education Courses

There are four courses offered in the first four semesters for the First & Second UG students.

Non-Major Elective / Skill Based Elective

These courses are offered in two perspectives as electives “Within School” (WS) and “Between School” (BS).

Subject Code Fixation

The following code system (11 characters) is adopted for Under Graduate courses:

Year of Revision	UG Code of the Dept	Semester	Specification of the Part	Subject Category	Running no. in that part
↓	↓	↓	↓	↓	↓
17	U##	x	x	xx	xx
17	UEC	1	3	2	01

For Example :

I B.A. Economics, first semester Micro Economics - I

The code of the paper is 17UEC130201.

Thus, the subject code is fixed for other subjects.

Subject Category

- 00 - Languages (Tamil / Hindi / French / Sanskrit)
 01 - General English
 02 - Core (Theory, Practical, Comprehensive Exams, Internship and Project)
 03 - Core Electives
 04 - Allied
 05 - Extra Credit Courses
 06 - Skill Based Electives (BS) & (WS)
 07 - Soft Skill
 08 - NMC (Communicative English, Computer Literacy/SAP)
 09 - EVS (Environmental Studies)
 10 - Value Education
 11 - Community Service (SHEPHERD) and Gender Studies
 12 - AICUF / Nature Club / Fine Arts / NCC / NSS etc.

EXAMINATION: Continuous Internal Assessment (CIA)

UG - Distribution of CIA Marks	
Passing Minimum: 40 Marks	
Library Referencing	5
3 Components	35
Mid-Semester Test	30
End-Semester Test	30
CIA	100

MID-SEM & END-SEM TEST

Centralised – Conducted by the office of COE

1. Mid-Sem Test & End-Sem Test: (2 Hours each); will have Objective + Descriptive elements; with the existing question pattern PART-A, PART-B, and PART-C.
2. CIA Component III for UG & PG will be of 15 marks and compulsorily objective multiple choice question type.
3. The CIA Component III must be conducted by the department / faculty concerned at a suitable computer centres.
4. The 10 marks of Part-A of Mid-Sem and End-Sem Tests will comprise only: **Objective Multiple Choice Questions; True / False; and Fill-in the Blanks.**
5. The number of hours for the 5 marks allotted for Library Referencing work would be 30 hours per semester. The marks scored out of 5 will be given to all the courses of the semester.
6. English Composition once a fortnight will form one of the components for UG General English.

SEMESTER EXAMINATION

Testing with Objective and Descriptive questions

Part-A: Objective MCQs only (30 Marks)

Answers are to be marked on OMR score-sheet. The OMR score-sheets will be supplied along with the Main Answer Book. 40 minutes after the start of the examination the OMR score-sheets will be collected

Part-B & C: Descriptive (70 Marks)

Part-B: 5 x 5 = 25 marks (Inbuilt Choice);

Part-C: 3 x 15 = 45 marks; 3 out of 5 questions (Open Choice).

The Accounts Paper of Commerce will have

Part-A: Objective = 25

Part-B: Descriptive 3 x 25 = 75 marks.

Duration of Examination must be rational; proportional to teaching hours
90 minute-examination / 50 Marks for courses of 2/3 hours/week (all Part IV UG Courses) 3-hours examination for courses of 4-6 hours/week.

Grading System

1. Grading

The total marks will be calculated by adding both CIA and the end-semester examinations for each of the courses. The total marks thus obtained will then be graded as per details provided in the following Table-1.

From the second semester onwards, the total performance within a semester and the continuous performance starting from the first semester are indicated by Semester **Grade Point Average (GPA)** and **Cumulative Grade Point Average (CGPA)** respectively. These two are calculated by the following formulae:

$$\text{GPA} = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}, \quad \text{WAM (Weighted Average Marks)} = \frac{\sum_{i=1}^n C_i M_i}{\sum_{i=1}^n C_i}$$

where, 'C_i' is the Credit earned for the Course-*i*,

'G_i' is the Grade Point obtained by the student for the Course '*i*',

'M' is the marks obtained for the course '*i*', and

'n' is the number of Courses **Passed** in that semester.

CGPA: Average GPA of all the Courses starting from the first semester to the current semester.

2. Classification of Final Results

- i) For each of the three parts, there shall be separate classification on the basis of the CGPA, as indicated in the following Table-2.

- ii) For the purpose of declaring a candidate to have qualified for the Degree of Bachelor of Arts/Science/Commerce/Management/Literature as Outstanding/Excellent/Very Good/Good/Above average/Average, the marks and the corresponding CGPA earned by the candidate in Part-III alone will be the criterion, provided he/she has secured the prescribed passing minimum in the LCs and the ELCs.
- iii) Grade in Part-IV and Part-V shall be shown separately and it shall not be taken into account for classification.
- iv) Absence from an examination shall not be taken as an attempt.

Table-1: Grading of the Courses

Marks Range	Grade Point	Corresponding Grade
90 and above	10	O
80 and above but below 90	9	A+
70 and above but below 80	8	A
60 and above but below 70	7	B+
50 and above but below 60	6	B
40 and above but below 50	5	C
Below 40	0	RA

Table-2: Final Result

CGPA	Classification of Final Results	Corresponding Grade
9.00 and above	O	Outstanding
8.00 to 8.99	A+	Excellent
7.00 to 7.99	A	Very Good
6.00 to 6.99	B+	Good
5.00 to 5.99	B	Above Average
4.00 to 4.99	C	Average
Below 4.00	RA	Re-appearance

Credit based weighted Mark System is adopted for individual semesters and cumulative semesters in the column 'Marks Secured' (for 100).

A Pass in SHEPHERD will continue to be mandatory although the marks will not count for the calculation of the CGPA.

Declaration of Result:

Mr./Ms. _____ has successfully completed the Under Graduate in _____ programme. The candidate's Cumulative Grade Point Average (CGPA) in Part-III is _____ and the class secured is _____ by completing the minimum of 150 credits. The candidate has acquired _____ (if any) more credits from SHEPHERD / AICUF/ Fine Arts / Sports & Games / NCC / NSS / Nature Club etc. The candidate has also acquired _____ (if any) extra credits offered by the parent department courses.

B. A. Economics
Course Pattern - 2017 Set

Sem.	Part	Part	Code	Subject Title	Hr	Cr
I	I	Language	17UGT110001	Language-I (Tamil/Hindi/French/Sanskrit)	4	3
	II	English	17UGE120101	General English – 1	5	3
	III	Core	17UEC130201	Micro Economics-I	7	5
			17UEC130202	Indian Economic Development -I	6	4
		Allied	17UEC130401	Mathematical Methods in Economics-I	6	5
	IV	NMC	17UCE140801	Communicative English	-	5
		V. Edn	17UFC141001	Value Education: Essentials of Humanity	2	2
	Total for Semester I				30	27
II	I	Language	17UGT210002	Language-II (Tamil/Hindi/French/Sanskrit)	4	3
	II	English	17UGE220102	General English –2	5	3
	III	Core	17UEC230203	Micro Economics-II	6	5
			17UEC230204	Indian Economic Development -II	5	4
		Allied	17UEC230402	Mathematical Methods in Economics-II	6	5
	IV	NMC	17UCE240802	Computer literacy /SAP	2	2
		V. Edn	17UFC241002	Fundamentals of Human Rights	2	2
	Total for Semester II				30	24
III	I	Language	17UGT310003	Language-III (Tamil/Hindi/French/Sanskrit)	4	3
	II	English	17UGE320103	General English – 3	5	3
	III	Core	17UEC330205	Macro economics-I	6	4
			17UEC330206	Urban Economics	5	3
		Allied	17UEC330403	Statistics for Economics-I	6	5
		Extra Credit Course	17UEC330501	Massive Open Online Course	-	(2)
	IV	V. Edn	17UFC341003A	Formation of youth-I (or)	2	2
			17UFC341003B	Religious Doctrine- 1		
NMC/EVS		17UCE340901	Environmental Studies	2	2	
Total for Semester III				30	22+(2)	
IV	I	Language	17UGT410004	Language-IV (Tamil/Hindi/French/Sanskrit)	4	3
	II	English	17UGE420104	General English – 4	5	3
	III	Core	17UEC430207	Macro Economics-II	5	4
			17UEC430208	Labour Economics	4	3
		Core Elective (WD)	17UEC430301A	Tamil Nadu Economy (or)	4	4
			17UEC430301B	Tourism Management		
	IV	V. Edn	17UEC430404	Statistics for Economics-II	6	5
			17UFC441004A	Formation of Youth- II (or)		
		17UFC441004B	Religious Doctrine-II	2	2	
Total for Semester IV				30	24	

V	III	Core	17UEC530209	History of Economic Thought-I	6	4	
			17UEC530210	Money and Banking	6	4	
			17UEC530211	Research Methods in Economics	5	3	
			17UEC530212	Economics of Infrastructure	5	3	
		Core Elective (WS)	17UEC530302	Principles of Economics	4	4	
			17UCO530302A 17UCO530302B	Human Resource Management Business Correspondence			
		Self Paced Learning	17UEC530213	Energy Economics	-	2	
		Extra Credit Course	17UEC530502	Extra Credit Course	-	(2)	
		IV	SBE (BS)	17UFC541601	Security Analysis	2	2
			IDC	17USS540701A	Soft Skills	2	2
				17USS540701B	National Cadet Corps		
						Total for Semester V	30
	VI	III	Core	17UEC630214	History of Economic Thought-II	7	4
17UEC630215				Public Finance	6	4	
17UEC630216				International Economics	7	4	
17UEC630217				Internship	-	2	
17UEC630218				Project Work	4	2	
17UEC630219				Comprehensive Examination	-	2	
Core Elective (WS)			17UEC630303 17UCO630303A 17UCO630303B	Environmental Economics (or) Retail Management (or) Principles of Event Management	4	4	
SBE (WS)			17UEC640602 17UCO640602A 17UCO640602B	Practical Insurance Basic Accounting Practices Practical Advertising	2	2	
					Total for Semester VI	30	24
I-V		V	SHEPHERD	17UCE651101	Community Service (SHEPHERD) and Gender Studies	-	5
				Total Credits for all Semesters	180	150+(4)	

Programme Outcomes (POs):

1. Undergraduate students are to be passionately engaged in initial learning with an aim to think differently as agents of new knowledge, understanding and applying new ideas in order to acquire employability/self-employment.
2. Undergraduate students are trained to take up higher learning programmes.
3. Undergraduate students are made to be competent and socially responsible citizen of India.
4. Undergraduate students are to be exposed to technical, analytical and creative skills.
5. Undergraduate students are to be imparted with a broad conceptual background in the Biological sciences / Computing sciences / Languages and culture / Management studies / Physical sciences.

Programme Specific Outcomes (PSOs):

1. To appreciate the importance of the subject Economics.
2. To study the various terms and concepts in Economics.
3. To study various principles and theories in Economics.
4. To evaluate the programmes and policies of both Central and State the Governments.
5. To study various current economic issues and problems to identify solution.
6. To study the quantitative techniques and its applications in Economics.
7. To study research methodology in Economics to undertake research.
8. To study the global economic issues like Globalization, Privatization and Liberalization.

To find out Correlation:

Mean Score of COs	=	$\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$
Mean Overall Score for COs	=	$\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$

Result:

0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Very poor	Poor	Moderate	High	Very High

பருவம்: 1
17UGT110001

மணி நேரம்: 4
புள்ளிகள்: 3

பொதுத்தமிழ்-I**பாடத்தின் விளைவு**

- சமூக மாற்றச் சிந்தனைகளை உள்ளடக்கிய தற்கால இலக்கியப்பரப்பை அறிதல்
- புதுக்கவிதை, சிறுகதை, உரைநடை ஆகியவற்றின் இலக்கியத்திறன் கண்டறிதல்.
- சந்திப்பிழையின்றி எழுதும் திறன் பெறுதல்.
- வாழ்க்கை வரலாற்றுக் கட்டுரைகளை வாசிக்கும் திறன் பெறுதல்.
- அன்றாடப் பயன்பாட்டிலுள்ள ஆங்கிலச்சொற்களுக்குப் பொருத்தமான சொற்களை உருவாக்கச்செய்தல்
- அரசுப்போட்டித் தேர்வுகளுக்கேற்ப தமிழ்மொழியில் பயிற்சி அளித்தல்.

அலகு-1 மகாகவி பாரதியார் கவிதைகள்
பாரதிதாசன் கவிதைகள்
நாமக்கல் கவிஞர் கவிதைகள்
உரைநடை - முதல் மூன்று கட்டுரைகள் (12 மணி நேரம்)

அலகு-2 பாவலரேறு பெருஞ்சித்திரனார் பாடல்கள்
கண்ணதாசன் கவிதைகள்
இலக்கிய வரலாறு (பக். 239- 300)
இலக்கணம் -வலிமிகும் இடங்கள் (14 மணி நேரம்)

அலகு-3 சமூகக்கவிதைகள்
இலக்கிய வரலாறு (பக்.300 -362)
சிறுகதை - முதல் ஆறு சிறுகதைகள் (14 மணி நேரம்)

அலகு-4 அரசியல் கவிதைகள்
இலக்கணம் - வலி மிகா இடங்கள் (10 மணி நேரம்)

அலகு-5 மொழிபெயர்ப்புக்கவிதைகள்
சிறுகதை- 7 முதல் 12 முடிய உள்ள சிறுகதைகள்
உரைநடை- 4முதல் 6 முடிய உள்ள கட்டுரைகள் (10 மணிநேரம்)

பாடநூல்

1. பொதுத்தமிழ்- செய்யுள் திரட்டு- தமிழாய்வுத்துறை வெளியீடு-2017-2020
2. சமூகவியல் நோக்கில் தமிழ் இலக்கிய வரலாறு, தமிழாய்வுத்துறை வெளியீடு, தாய வளனார் கல்லூரி, திருச்சிராப்பள்ளி-2
3. உரைநடை நூல் - தமிழாய்வுத்துறை வெளியீடு.
4. சிறுகதைத்தொகுப்பு : (நாட்டுடைமையாக்கப்பட்ட படைப்பாளர்களின் சிறுகதைகள்), தமிழாய்வுத்துறை வெளியீடு.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UGT110001	Title of the Paper கொத்துத்தமிழ்-1										Hours 4	Credits 3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		PSO6	PSO7	PSO8
CO1	5	5	4	3	5	5	4	4	4	3	3	4	5	4.2
CO2	5	5	5	3	4	5	4	5	4	3	3	4	5	4.2
CO3	4	4	5	4	3	4	3	5	4	3	3	4	5	3.9
CO4	5	5	4	4	4	5	5	5	4	3	5	5	5	4.5
CO5	5	5	5	4	4	4	4	5	4	3	4	5	5	4.0
CO6	5	5	5	3	4	4	4	4	4	5	4	3	5	3.8
Mean Overall Score														4.1

Result: The Score for this Course is 4.1 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semestre: I
17UGH110001

Hours/Week: 4
Credits : 3

HINDI

Learning Outcomes

At the end of the course, a student should be able to demonstrate...

- * Knowledge and understanding of Hindi Conversations
- * Improvement of the writing skills.
- * Knowledge of Grammar forms
- * Effective communicative skills in Hindi.
- * The introduction of socially relevant subjects in Modern Hindi Literature
- * Appreciation the features of Modern Hindi Prose.

Unit-I

8 hours

Dr Abdul Kalam, Ling Badaliye, Vachan Badaliye, Baathcheeth-Aspathal Mein

Unit-II

12 hours

Hamara Rajchinha, Noun Ling, Kaarak Chinha, Chaar Baayee, Baathcheeth, Dookan Mein

Unit-III

12 hours

Moun hee mantra hai, Vachan, Kaarak, Vishwamitra Ka yagna, Baathcheeth, Hotel mein

Unit-IV

14 hours

Veer Shivaji, Pronoun, Danush Yagna, Baathcheeth-Maidan mein

Unit-V

14 hours

Rajatilak Kee Thaiyaree, Adjectives, Baathcheeth-Pareeksha ke baare mein

Books Recommended

1. Dakshina Bharathi Hindi Prachar Sabha, Thiagaraya Nagar, Chennai – 600 017, Subhodh Hindi Patamala-2, Bharath Milap, Bharath-1, 2016.
2. Ramdev, Vyakaran Pradeep, Hindi Bhavan, 63, Tagore Nagar, Allahabad 2, 2016.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UGH110001	Title of the Paper Hindi-I										Hours 4	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6		
CO1	4	4	4	3	4	2	2	2	3	4	4	3.2	
CO2	3	3	2	3	2	4	4	4	3	3	2	3.0	
CO3	3	2	2	3	4	2	2	2	3	4	4	2.8	
CO4	3	2	2	3	2	4	4	4	4	2	2	2.9	
CO5	3	3	3	3	3	3	4	4	3	3	3	3.2	
CO6	4	4	4	4	3	4	3	2	4	3	3	3.4	
Mean Overall Score											3.1		

Result: The Score for this Course is 3.1 (High Relationship)

Note:

Mapping Scale	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semestre: I
17UGF110001**

**Heures /Semaine: 4
Credits : 3**

FRANÇAIS-I

Course Outcomes:

- * Introduire la langue et la culture française aux étudiants
- * Comparer la culture de l'Inde et de la France
- * Familiariser l'étudiant avec le vocabulaire
- * la grammaire et les conversations se présenter
- * Donner des informations en Français
- * Conjuguer des verbes, Avoir Etre Aller Faire

Unit-I : A l'aéroport Kamaraj domestic de Chennai (10 heures)

Saluer, demander et dire le nom, présenter quelqu'un, se présenter, souhaiter la bienvenue a quelqu'un, demander et dire l'identité de quelqu'un.

Grammaire : Etre, s'appeler, pronoms sujets, interrogation

Unit-II : A l'Université (10 heures)

Demander comment on se porte, présenter quel qu'un, prendre congé, exprimer, l'appréciation.

Grammaire : Articles définis et indéfinis, genre des noms, adjectifs, présent de l'indicatif : verbes réguliers en er, être avoir, apprendre, prépositions a, en, au, aux.

Unit-III : Au café (10 heures)

Dire ce qu'on aime, donner des informations, exprimer l'admiration, demander des informations sur quelqu'un.

Grammaire : Adjectifs interrogatifs, présent de l'indicatif : avoir, verbes en er , savoir, qu'est ce que c'est?, adjectifs possessifs, négation ,adjectifs irréguliers

Unit-IV : A la plage (15 heures)

Proposer une sortie, accepter, refuser la proposition

Grammaire : phrases au singulier et au pluriel, pronom indéfini- on, il y a, adjectifs démonstratifs, négation, interrogation, présent de l'indicatif : faire, voir, aller, sortir, connaître

Unit-V : Un concert et chez Nalli (15 heures)

Inviter, accepter, exprimer son incapacité d'accepter, complimenter, parlé au téléphone, demander le prix, protester contre le prix.

Grammaire : Présent de l'indicatif : verbes en er, venir, pouvoir, vouloir, articles contracte, avec, a chez, le futur, interrogation est ce que, adverb

interrogatifs, adjectifs possessifs, accord de l'adjectif, adjectifs exclamatifs, très/trop, présent de l'indicatif : acheter-regarder, l'impératif.

Manuel:

1. K.Madanagobalane, **Synchronie-1**, Samhitâ Publication, 2011.

Livre de référence:

1. Annie Berthet /B_atrix Sampsonis/ Catherine Hugot /V_ronique M Kizirian / Monique Waendendries, **Alter Ego A1**, Hachette, 2006.
2. Yves Loiseau/R_gineM_rieux, Connexions 1, Didier, 2011.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UGF110001	Title of the Paper French-I										Hours 4	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6		
CO1	4	4	2	3	4	4	4	2	2	3	3	3.2	
CO2	3	3	3	3	4	4	4	3	3	3	2	3.2	
CO3	3	2	3	2	4	3	2	4	4	3	3	3.0	
CO4	3	3	4	3	4	2	2	3	3	2	2	2.8	
CO5	3	3	4	3	4	3	3	3	4	5	2	3.4	
CO6	3	4	3	3	3	3	3	3	2	4	3	3.1	
Mean Overall Score											3.1		

Result: The Score for this Course is 3.1 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester: I
17UGS110001

Hours/Week: 4
Credits : 3

SANSKRIT-I

Course Outcomes

At the end of the course, a student should be able to demonstrate...

- * Knowledge and understanding of basic Sanskrit grammar
- * Knowledge and understanding of essential Sanskrit vocabulary
- * Introduction of the writing skills
- * Introduction of Sanskrit Aksharas.
- * Introduction of Present tense forms
- * Implementation of good thoughts from Subashitani

Unit-I 8 hours

Akharavivaranam – Svaras & Vyanjanaani – Samyukta Aksharani.

Unit-II 12 hours

Shabdadayah – Aakaaraanta, ikaar aantah. ukaaraantah.

Shabdadayah – Aakaaraanta, iikaar aantah. uukaaraantah.

Unit-III 12 hours

Anuvaada Prayogah.

Unit-IV 14 hours

Lat Lakarh – Parasmai – Pada Prayogah = Vakyarupah.

Unit-V 14 hours

Subhaashitaani

Books Recommended

1. Kulapathy, K. M., Saral Sanskrit Balabodh, Bharathiya Vidya Bhavan, Munshimarg, Mumbai-400 007, 2014
2. R.S. Vadhyar & Sons, Book-Sellers and Publishers, Kalpathi, Palghat-678003, Kerala, South India, Shabdha Manjari, 2014
3. Balasubramaniam R., Samskrita Akshara Siksha, Vangals Publication, 14th Main Road, JP Nagar, Bangalore -78, 2015.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UGS110001	Title of the Paper Sanskrit-I										Hours 4	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6		
CO1	5	3	5	4	4	3	3	3	3	3	4	3.1	
CO2	4	3	4	4	4	4	4	4	4	3	4	3.3	
CO3	4	3	3	4	4	3	4	4	3	3	4	3.1	
CO4	4	3	3	4	3	3	4	4	3	3	4	3.0	
CO5	4	4	4	3	4	4	3	3	3	4	4	3.1	
CO6	5	4	4	4	4	3	3	3	3	3	4	3.1	
Mean Overall Score												3.1	

Result: The Score for this Course is 3.1 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester: I
17UGE120101

Hours/Week: 5
Credits: 3

GENERAL ENGLISH-I

Course Outcome

- * Introduce themselves to the others
- * Narrate simple experiences in a coherent manner
- * Understand the underlying meaning in the text
- * Describe accurately what he/she observes and experiences
- * Converse with friends about their likes and dislikes
- * Write leave letters using the appropriate format and language

Unit-I:

01. Personal Details
02. Positive Qualities
03. Listening to Positive Qualities
04. Relating and Grading Qualities
05. My Ambition
06. Abilities and Skills
07. Self-Improvement Word Grid
08. What am I doing?
09. What was I doing?
10. Unscramble the Past Actions
11. What did I do yesterday?

Unit-II:

12. Body Parts
13. Actions and Body Parts
14. Value of Life
15. Describing Self
16. Home Word Grid
17. Unscramble Building Types
18. Plural Form of Naming Words
19. Irregular Plural Forms
20. Plural Naming Words Practice
21. Whose Words?

Unit-III:

22. Plural Forms of Action Words

23. Present Positive Actions
24. Present Negative Actions
25. Un/Countable Naming Words
26. Recognition of Vowel Sounds
27. Indefinite Articles
28. Un/Countable Practice
29. Listen and Match the Visual
30. Letter Spell - Check
31. Drafting Letter

Non-Detailed:

“The Merchant of Venice” from *Six Tales From Shakespeare*

Unit-IV:

32. Friendship Word Grid
33. Friends’ Details
34. Guess the Favourites
35. Guess Your Friend
36. Friends as Guests
37. Introducing Friends
38. What are We Doing?
39. What is (s)he / are they Doing?
40. Yes / No Question
41. What was s/he doing?
42. Names and Actions
43. True Friendship
44. Know your Friends
45. Giving Advice/Suggestions
46. Discussion on Friendship
47. My Best Friend

Non-Detailed:

“The Taming of the Shrew” from *Six Tales From Shakespeare*

Unit-V:

48. Kinship Words
49. The Odd One Out
50. My Family Tree
51. Little Boy’s Request

52. Occasions for Message
53. Words denoting Place
54. Words denoting Movement
55. Phrases for Giving Directions
56. Find the Destination
57. Giving Directions Practice
58. SMS Language
59. Converting SMS
60. Writing Short Messages
61. Sending SMS
62. The family debate
63. Family Today

Non-Detailed: “The Tempest” from *Six Tales From Shakespeare*

Textbook

1. Joy, J.L. & Peter, F.M. *Let's Communicate I*, New Delhi, Trinity Press, 2014. Print.

Non-Detailed Text

1. Dodd, E F. *Six Tales From Shakespeare*. London: Macmillan, 1987. Print. (First three tales)

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UGE120101	Title of the Paper General English-I					Hours 4	Credits 3						
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	4	3	4	4	4	5	4	4	4	3	3	4	4	3.80
CO2	4	3	4	4	4	5	5	4	4	4	4	4	4	4.10
CO3	4	3	4	4	4	3	3	4	4	3	3	4	4	3.60
CO4	4	3	2	4	4	4	4	3	3	5	5	4	4	3.80
CO5	4	3	4	4	4	4	4	3	3	4	4	5	5	3.90
CO6	5	4	4	3	3	4	4	3	4	4	5	4	4	3.90
Mean Overall Score														3.85

Result: The Score for this Course is 3.85 (High Relationship)

Note:

Mapping Scale	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester I
17UEC130201

L P C
7 - 5

MICRO ECONOMICS-I

Course Outcome

- * To acquaint students with the fundamental concepts and principles to understand the Economic motives and behaviour patterns of an individual Consumer.
- * To know the scope and methodology of Micro Economics.
- * To get to know the idea of how Micro economics is different from Macro Economics.
- * To know the difference between Cardinal Utility analysis and Ordinal Utility analysis.
- * To know the idea of Producer's Equilibrium and Consumer's Equilibrium.
- * To understand the Concept of Production Function.
- * To understand the Concept of Return to Scale.
- * To get to know the idea of different Cost curves and Revenue curves.

Unit-I: Scope and Methodology of Micro Economics (16 hours)

Meaning – Difference between Micro and Macro Economics - Definition of Economics – Adam Smith - Marshall - Robbins -- Samuelson - Modern Micro Economics: Importance and Limitations - Methodology of Economics - Deductive Method and Inductive Methods - Static and Dynamics - Economic Laws.

Unit-II: Theory of Consumer Behaviour - Cardinal Utility Analysis (20 hours)

Concept of Utility - Cardinal Utility - Ordinal Utility - Law of Diminishing Marginal Utility - Law of Equi-Marginal utility -- Concepts of Demand and Supply - Law of Demand - Law of Supply. Elasticity of Demand - Price Elasticity of Demand - Income Elasticity of Demand - Cross Elasticity of Demand - Measurement of Elasticity of Demand - Factors influencing Elasticity of Demand - Concept of Demand Forecasting - Consumer's Surplus – Applications of consumer's Surplus.

Unit-III: Theory of Consumer Behaviour - Ordinal Utility Analysis (18Hours)

Indifference Curve Technique - Features of Indifference Curve - Consumer's Equilibrium - Price Effect - Income Effect - Substitution Effect - Samuelson's Revealed Preference Theory.

Unit-IV: Theory of Production (18 Hours)

Factors of Production - Features - Production Function – Cobb-Douglas Production Function – Long-Run Production Theory: Law of Diminishing Returns, Law of Increasing Returns and Law of Constant Returns – Short-run Production Theory: Law of Variable Proportions - Returns to Scale - Equal Product Curves - The Principle of DMRTS - Producer's Equilibrium: Internal and External Economies and Diseconomies of Scale of Production.

Unit-V: Cost and Revenue Curves (18 Hours)

Concepts of Cost - Fixed Cost - Variable Cost - Total Cost - Average Cost - Marginal Cost - Average Cost Curves - Nature of Short Run and Long Run Average Cost Curves - Derivation of LAC Curve -- Revenue Concepts - Total Revenue - Average Revenue and Marginal Revenue Curves under different Market Structure - Relationship between Average Revenue and Marginal Revenue - Break-even Analysis.

Case study: Consumer's preference about various goods and the estimation of consumer Surplus if any.

Text Book

1. S.Sankaran - Economic Analysis, Margham Publications, Madras, 1991
2. Salvatore - *Micro Economics*, 4/e, OUP, New Delhi, 2002.

Books for Reference

1. Ahuja H.L. (1996) - *Principles of Micro Economics, A New look at Economic Theory*, S.Chand, New Delhi.
2. Dewett K.K - *Micro Economics*, S.Chand, New Delhi, 2009.
3. Jhingan M.L, (2008) *Micro Economic Theory*, Konark, New Delhi.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UEC130201	Title of the Paper Part-III: Micro Economics-I										Hours 7	Credits 5	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	3	3	4	3	2	4	4	4	3	4	4	4	4	3.54
CO2	3	2	3	3	3	5	5	5	5	3	5	3	3	3.69
CO3	4	3	3	4	4	3	4	4	3	5	3	4	4	3.69
CO4	3	4	3	2	4	4	5	3	4	2	4	4	3	3.46
CO5	2	1	4	3	4	5	3	3	2	4	2	4	2	3.00
CO6	3	4	3	2	4	3	3	5	3	3	4	3	5	3.46
CO7	4	3	4	3	2	4	2	4	5	5	3	2	3	3.38
CO8	3	4	4	3	4	5	4	3	4	3	5	4	2	3.69
Mean Overall Score														3.49

Result: The Score for this Course is 3.49 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semester I
17UEC130202**

**L P C
6 - 4**

INDIAN ECONOMIC DEVELOPMENT -I

Course Outcome

- * To give a basic knowledge of Indian Economy
- * To know the Millennium Development Goals
- * To identify the various farming method used in Indian Agriculture
- * To identify the various problems faced by the Indian industries
- * To know the significance of Industrial policy of India
- * To analyze the Government schemes for eradication of poverty

Unit-I: Characteristic Features of Indian Economy (18 Hours)

British Rule - Impacts on the Indian Economy - Characteristic Features of Indian Economy – Socialistic Pattern of Society – Meaning of Development and Growth – Millennium Development Goals

Unit-II: Nature and Significance of Agriculture (18 Hours)

Nature and Importance of Agriculture – Green Revolution - Agricultural Production and Productivity - Factors Influencing Agricultural Development - Agricultural Marketing - Sources of Agricultural Finance - Agricultural Labour in India - New Developments concepts: Traditional Farming – Organic Farming - Precision Farming – Corporate Farming – Genetically Modified Seeds – Sustainable Agriculture-Second Green Revolution.

Unit-III: Industries in India (18 Hours)

Pattern of Industrialization - Industrial Policy: 1948, 1956 and 1991 -- Role of Industry in Economic Development – Major Industries: Cotton Textile Industry - Iron and Steel Industry and Cement Industry - Role and Problems of Medium, Small Scale and Cottage Industries.

Unit-IV: Unemployment and Poverty in India (18 Hours)

Meaning and Causes of Unemployment and Poverty in India - Measures taken by the Government to solve Unemployment and Poverty – Food Security – Food Inflation - PDS – Nutritional Security - Nutritious Noon Meal Scheme - PURA (Vision 2020) – MGNREGP (Mahatma Gandhi National Rural Employment Guarantee Programme)

Unit-V: Planning in India (18 Hours)

Economic Planning - Meaning and significance of planning - Planning Strategies of India - Broad objectives, Achievements and Failures of Planning –NITIAAYOG - Structure and Functions.

Text Book

1. Ruddar Datt and Sundharam K.P.M., *Indian Economy*, Sultan Chand, New Delhi, 2009
2. Uma Kapila, *Indian Economy*, 9th Edition, ISBN:8171887902, Published by Academic Foundation, 2010.

Books for Reference

1. Ishwar.C.Dhingra -*The Indian Economy*, Twenty first edition, Sultan Chand, New Delhi, 2016.
2. Mishra & Puri - *Economics of Development and Planning*, Himalaya, Mumbai, 7th edition, 2005.
3. Meier, G.M. *Leading Issues in Economic Development*, O U P, New Delhi, 6th edition, 1995.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UEC130202		Title of the Paper Part-III: Indian Economic Development I										Hours 6	Credits 5
	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	4	3	4	3	2	5	4	3	5	5	3	3	4	3.69
CO2	3	2	3	1	2	4	4	3	4	4	4	3	5	3.23
CO3	3	3	2	2	1	4	4	4	4	3	3	4	5	3.23
CO4	3	3	2	3	3	4	4	3	4	5	4	5	4	3.62
CO5	4	3	3	3	2	3	4	4	5	5	4	3	5	3.69
CO6	4	3	4	4	3	2	3	3	4	4	4	3	3	3.38
Mean Overall Score														3.47

Result: The Score for this Course is 3.294 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester I	L	P	C
17UEC130401	6	-	5

Allied:

MATHEMATICAL METHODS FOR ECONOMICS-I

Course Outcome

- * It enhance the students' knowledge to quantify the socioeconomic problems
- * This course feeds the students to be critical thinking on different angle in a single problem.
- * It induces the quantitative techniques skills
- * It helps the students to understand the relationship between the variable and nature of relationship.
- * The student will learn the forecasting techniques.
- * This course enriches the students with problem solving skills.
- * The students acquire the analytical skills.
- * Students get the confidence to apply the theory to the practical problems.

Unit-I: Set Theory (18 Hours)

Notations of Set - Types of set - Venn diagram - Laws of Set - Operations in Set - Application in Economics.

Unit-II: Straight Line (18 Hours)

Slope – Intercept - Equations of Straight Line - Parallel Lines - Perpendicular lines - point of intersection of two lines - Application of straight lines in Economics: supply line, demand line, determination of equilibrium price and quantity and elasticity of demand.

Unit-III: Differentiation (18 Hours)

Process and Rules of Differentiation - Differentiation in polynomials x^n , $(ax+b)^2$; $\log x$, e^x , differential coefficient of sum, difference, product, quotient and power - Successive differentiation - Partial derivative - Given $U = f(x,y)$ and $U = f(x,y,z)$ - Higher order partial derivatives – Maxima and Minima with single variable.

Unit-IV: Application of Differentiation in Economics (18 Hours)

Marginal utility, marginal revenue and marginal cost - Revenue maximization and cost minimization.

Unit-V: Integral Calculus (18 Hours)

Rules of Integration - Definite integral – Application in Economics – Total Revenue and Cost Concepts, Consumer's surplus and Producer's surplus.

Textbook

1. Agarwal C.S and. Joshi R.C, *Mathematics for Economists*, The New Academic Publishing Jalandhar, 1983.
2. Bose, D. An introduction to Mathematical Economics, Himalaya Publishing House, Mumbai, 2010.

Books for Reference

1. Arul Jeganatharaj D, Gnanasekaran G and Stanly P, *Mathematics for Beginners*, Tiruchirappalli, 1989.
2. Schaum's Outline of Introduction to Mathematical Economists, 3rd Edition, Edward Dowling, McGraw-Hill Education, 2011.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UEC130401	Title of the Paper Part-III: Mathematical Methods in Economics I												Hours 6	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	3	4	3	2	4	3	3	4	3	4	4	4	3.38	
CO2	3	2	3	4	3	5	4	2	4	3	5	4	3	3.46	
CO3	4	3	3	2	4	3	4	4	3	2	4	4	3	3.31	
CO4	3	4	3	2	4	4	4	4	2	4	3	4	4	3.46	
CO5	2	5	2	4	4	2	3	3	5	3	2	5	4	3.38	
CO6	3	4	3	2	4	4	2	3	4	3	3	2	5	3.23	
CO7	2	5	2	4	4	2	3	3	5	3	2	5	4	3.38	
CO8	3	4	3	2	4	4	2	3	4	3	3	2	5	3.23	
Mean Overall Score														3.35	

Result: The Score for this Course is 3.35 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester I
17UFC141001

Hours/Week:2
Credits: 2

ESSENTIALS OF HUMANITY

Course Outcome

1. To ensure creating awareness among the youth on human values.
2. To ensure educating the youth, the basic principles of value education.
3. To ensure the process of analyzing, appreciating and personalizing values as our own.
4. To ensure that students develop various dimensions of human personality.
5. To ensure the youth empowering the gender sensitization, gender differences and gender roles.
6. To ensure preparing the students for the smooth transfer from the stage of teenage to earlier adulthood.

Unit-I

Principles of Value Education - Introduction - Value Education- Characteristics of Values – Kinds of Values

Unit-II

Development of Human Personality - Personality traits - Theories of Personality - Discovering self- Defense mechanism - Power of positive thinking

Unit-III

Dimensions of Human Development - Physical development – Intellectual development - Emotional development - Social Development – Moral development - Spiritual development

Unit-IV

Responsible Parenthood - Human sexuality - Sex and love - Becoming a spouse - Responsible Parenthood

Unit-V

Gender Equality and Empowerment - Historical perspective - Education & economic development -Crimes against Women-Women's rights

Text Book:

Essentials of Humanity, Department of Foundation course, St.Joseph's College, Tiruchirappalli-2, 2016.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester I	Course Code 17UFC141001	Title of the Paper ESSENTIALS OF HUMANITY										Hours 2	Credits 2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	1	5	4	3	5	4	5	5	5	5	4	3	4.0	
CO2	2	1	5	5	3	5	4	5	5	5	5	4	3	4.0	
CO3	2	1	5	5	4	5	4	4	5	5	5	5	3	4.1	
CO4	2	2	5	4	2	5	4	4	5	4	5	5	5	4.0	
CO5	5	2	5	5	2	5	4	4	5	5	4	4	4	4.2	
CO6	2	1	5	5	4	4	4	5	5	4	4	4	3	3.8	
Mean Overall Score														4.0	

Result: The Score for this Course is 4.0 (High Relationship)

Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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பருவம்: 2
17UGT210002

மணி நேரம்: 4
புள்ளிகள்: 3

பொதுத்தமிழ்-II

பாடத்தின் விளைவு

- சமூக மாற்றச் சிந்தனைகளை உள்ளடக்கிய தற்கால இலக்கியப்பரப்பை அறிதல்
 - பக்தி இலக்கியங்களின் வழி இறையியல் கோட்பாடுகளை அறிதல்
 - உரைநடைக் கட்டுரை எழுதும் திறன் பெறுதல்- இலக்கணமரபுகளை அறிதல்
 - பல்வேறு சமயங்களின் வாழ்வியல் கருத்துக்களை அறிந்து பின்பற்றுதல்
 - காப்பியங்களில் உள்ள சமுதாயக் கருத்துக்களை அறிந்துகொள்ளுதல்.
 - இதிகாசங்கள் உணர்த்தும் நீதிகளை அறியச்செய்தல்.
- அரசுப்போட்டித் தேர்வுகளுக்கேற்ப பொதுக்கட்டுரைகளும் மொழிப்பயிற்சியும் மாணவர்களுக்கு அளித்தல்.

அலகு: 1 (12 மணி நேரம்)

- | | |
|----------------|---|
| சிலப்பதிகாரம் | - அந்திமாலைச் சிறப்பு செய்காதை |
| இலக்கிய வரலாறு | - சைவம் வளர்த்த தமிழ் முதல் புராணங்கள் முடிய. |
| இலக்கணம் | - எழுத்திலக்கணம் |

அலகு: 2 (12 மணி நேரம்)

- | | |
|--------------|--------------------------|
| மணிமேகலை | - உலக அறவி புக்க காதை |
| பெரியபுராணம் | - தடுத்தாட்கொண்ட புராணம் |

அலகு: 3 (12 மணி நேரம்)

- | | |
|--------------|-----------------------------------|
| கம்பராமாயணம் | - கும்பகர்ணன் வதைப்படலம் |
| உரைநடை | - 7 முதல் 9 முடிய உள்ள கட்டுரைகள் |

அலகு: 4 (12 மணி நேரம்)

- | | |
|----------------|---|
| சீறாப்புராணம் | - மானுக்குப் பிணை நின்ற படலம் |
| இலக்கணம் | - சொல்லிலக்கணம் |
| இலக்கிய வரலாறு | - தமிழ் இலக்கண நூல்கள் முதல் சிற்றிலக்கியங்கள் முடிய. |

அலகு: 5 (12 மணி நேரம்)

- | | |
|----------------------|-----------------------------------|
| இரட்சணிய யாத்திரிகம் | - மரணப்படலம் |
| உரைநடை | - 10 முதல் 12 வரையிலான கட்டுரைகள் |

பாடநூல்:

- செய்யுள் திரட்டு, தமிழாய்வுத்துறை வெளியீடு, 2017-10
- சமூகவியல் நோக்கில் தமிழ் இலக்கிய வரலாறு, தமிழாய்வுத்துறை வெளியீடு, தூய வளனார் கல்லூரி, திருச்சிராப்பள்ளி-2
- உரைநடை நூல் - தமிழாய்வுத்துறை வெளியீடு.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UGT210002	Title of the Paper பொதுத்தமிழ்-II										Hours 4	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)							
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	5	4	4	4	4	5	5	5	4	4	2	4	4
CO2	4	5	5	4	5	5	5	5	5	4	3	4	3
CO3	5	5	4	4	5	5	5	5	4	3	3	4	3
CO4	5	5	4	3	4	5	5	5	4	3	3	4	3
CO5	5	5	4	3	4	5	5	5	4	3	3	4	3
CO6	5	5	5	5	4	5	5	5	4	3	3	4	3
Mean Overall Score													4.2

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Result: The Score for this Course is 4.2 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semestre: II
17UGH210002

Hours/Week: 4
Credits : 3

HINDI-II

Course Outcomes

At the end of the course, a student should be able to demonstrate...

- their effective communicative skills in Hindi
- the introduction of socially relevant subjects in Modern Hindi Literature
- to appreciate the features of Modern Hindi one act plays and short stories
- the ability to fill in application forms Hindi
- use Hindi vocabulary and grammar patterns in a culturally proper ways.
- the ability to write about famous Hindi authors .

Unit-I

8 hours

Paeksha, Lekak Parichaya, Khani kee Basha – Shyli, Verb, Dhathu, Artha likiye ulte Shabda likiye.

Unit-II

12 hours

Lekak Parichaya Ekanki kee, Basha Shyli, Ander Nagaree, Sankalan Traya, Pareek shaka Khani ke paatra, Kal, Vachya.

Unit-III

12 hours

Chief Kee daavath, Ekanki ke Paatra, Ekankikaar, Ne ka Prayog, Adverb

Unit-IV

14 hours

Do Kalakar, Bahoo kee Vidha, Kahaanikaar, Prepositions, conjunctions

Unit-V

14 hours

Kahani ke paatra, Ekanke ke paatra, lekak parichaya, Interjunctions, Avikari Shabda

Books Recommended

1. Dakshina Bharath Hindi Prachara Sabha, Thiagaraya Nagar, Chennai - 600 017, Subodh Hindi Patamala-2, Ekanki, Hindi, 2016.
2. Ram Dev Hindi Bhavan, Vyakaran Pradeep, 63, Tagore Nagar, Alahabad, 2, 2013.

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Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UGH210002	Title of the Paper Hindi-II					Hours 4	Credits 3				
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	Mean Score of COs
CO1	4	4	4	3	4	3	2	3	4	4	4	3.5
CO2	3	3	2	3	2	4	4	3	3	2	2	2.8
CO3	3	2	2	3	4	2	4	4	2	3	4	3.0
CO4	3	2	2	3	3	4	3	3	4	3	3	3.0
CO5	3	3	3	3	3	3	3	4	3	4	3	3.1
CO6	4	4	4	4	3	4	3	3	3	3	2	3.3
Mean Overall Score												3.1

Result: The Score for this Course is 3.1 (High Relationship)

Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semestre: II
17UGF210002

Heures /Semaine: 4
Credits : 3

FRANÇAIS-II

Course Outcomes:

- * Faire connaissance des journaux, des courriels, des lettres
- * Comprendre les conversations téléphoniques.
- * Décrire quelque chose
- * Demander son chemin
- * Parler des activités du week-end
- * Accepter, refuser, exprimer la certitude.

Unit-I: Nouvelles de L'inde (10 heures)

Montrer son inquiétude, s'excuser, exprimer son appréciation, décrire quelqu'un, décrire quelque chose

Grammaire: Présent : verbes en er,-ir, le futur, interrogation totale, féminin d'autres adjectifs.

Unit-II: A la gare Central station (10 heures)

Réserver des billets, demander des renseignements, donner des renseignements

Grammaire: pronoms compléments d'objet direct, présent l'impératif :payer ,partir/sortir, l'impératif, expression du temps, construction avec infinitif

Unit-III : Un lit dans la Cuisine (10 heures)

Donner des ordres, localiser, dire qu'une proposition est stupide ou bizarre

Grammaire : Verbes en er-ranger, mettre impératif, il faut, devoir +infinitif, prépositions de lieu

Unit-IV: Pierre apprend a conduire et mangez –vous correctement ? (15 heures)

Rassurer, exprimer l'indirection exprimer l'autorisation, avertir, demander des informations sur les habitudes de quelqu'un, offrir a manger ou a boire, accepter, refuser, exprimer la certitude.

Grammaire: impératif-être, avoir, savoir, pronoms compléments d'objet indirect, le passe compose avec avoir expression de la quantité-articles partitifs, adverbes, pronoms directs et indirects, pronom en, présent des verbes –manger, boire ,offrir ,prendre, la condition avec si.

**Unit-V: Ils ont eu tort tous les deux !et Comment as-tu passe le weekend
(10 heures)**

Demander son chemin, indiquer le chemin a quelqu'un, reprocher / conseiller, parler des activités du week-end, demander a quelqu'un de se taire

Grammaire: le passe compose, adverbess mots interrogatifs, le passe compose avec être, faire du....pouvoir, vouloir.

Manuel:

1. K. Madanagobalane, **Synchronie -1**, Samhitâ publication, 2011.

Livre de référence:

1. Annie Berthet / B_atrix Sampsonis / Catherine Hugot / V_ronnique M kizirian / Monique Waendendries, **Alter Ego A1**, Hachette, 2006
2. Yves Loiseau / R_gine M-rieux, Connexions 1, Didier ,2011

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UGF210002	Title of the Paper French-II										Hours	Credits
Course Outcomes (COs)	Programme Outcomes (POs)						Programme Specific Outcomes (PSOs)						Mean Score of COs
	PO1	PO2	PO3	PO4	PO5		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	
CO1	4	4	2	3	4		3	3	2	2	3	3	3.0
CO2	3	3	3	3	4		3	3	2	2	2	3	2.8
CO3	3	2	3	2	4		3	3	2	2	3	3	2.7
CO4	3	3	4	3	4		3	3	3	3	3	3	3.2
CO5	3	3	4	3	4		2	4	4	4	4	5	3.6
CO6	3	4	3	3	3		3	4	4	3	4	4	3.5
Mean Overall Score												3.1	

Result: The Score for this Course is 3.1 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation Quality	1	2	3	4	5
	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester: II
17UGS210002

Hours/Week: 4
Credits : 3

SANSKRIT-II

Course Outcomes

At the end of the course, a student should be able to demonstrate...

- * knowledge and understanding of basic Sanskrit grammar
- * knowledge and understanding of essential Sanskrit vocabulary
- * knowledge and understanding of the appropriateness of basic Sanskrit structures and expressions in a given context
- * the ability to understand short passages in written Sanskrit on everyday topics
- * the ability to produce short passages in written Sanskrit on everyday topics
- * introduction of basic grammar (Avyaya Imperfect tense and Sandirules. Samasah.)

Unit-I **8 hours**
Visheshanaah
Saravanaama shabdas.

Unit-II **12 hours**
Sandhi Niyamaah Abhyaasah.(Guna, Visarga, Dirgha, Vrddhi)

Unit-III **12 hours**
Lang lakaarah. Kriyapadaani

Unit-IV **14 hours**
Gopala Vimshathi. (1-10) slokas.

Unit-V **14 hours**
Avyayas, Tatpurusha, Karma dhaaraya samaasah.

Books Recommended

1. Paundrapuram Ashram, Srirangam -620 006. Gopalavimshathi, 2014
2. R.S. Vadhyar & Sons, book – Sellers and Publishers, Kalpathi, Palghat- 678 003, Kerala, Southe India, Shabdha Manjari, 2014
3. Kulapthy, K. M., Saral Sanskrit Balabodh, Bharathiya Vidya Bhavan, Munshimarg, Mumbai - 400007, 2014

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UGS210002	Title of the Paper Sanskrit-II										Hours 4	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6		
CO1	5	3	5	4	4	3	3	3	4	4	3	3.2	
CO2	4	3	4	4	4	3	3	3	3	4	3	3.0	
CO3	4	3	3	4	4	3	3	3	4	4	3	3.0	
CO4	4	3	3	4	3	3	3	4	4	4	3	3.0	
CO5	4	4	4	3	4	3	4	4	4	3	4	3.2	
CO6	5	4	4	4	4	3	3	3	4	4	3	3.2	
Mean Overall Score												3.1	

Result: The Score for this Course is 3.1 (High Relationship)

Note:

Mapping Scale	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester: II
17UGE220102

Hours/Week: 5
Credits: 3

GENERAL ENGLISH-II

Course Outcome

- * Ask open-ended questions in real-life situations
- * Use polite expressions in appropriate ways
- * Use correct punctuation marks and capital letters
- * Use appropriate vocabulary
- * Put ideas into a cohesive paragraph
- * Develop positive self-esteem and thereby communicate effectively

Unit-I

01. Education Word Grid
02. Reading Problems and Solutions
03. Syllabification
04. Forms for Expressing Quality
05. Expressing Comparison
06. Monosyllabic Comparison
07. Di/polysyllabic Comparison
08. The best monosyllabic Comparison
09. The best di/polysyllabic Comparison
10. Practising Quality Words

Non-Detailed:

“Julius Caesar” from *Six Tales From Shakespeare*

Unit-II:

11. Wh Words
12. Yes/No Recollection
13. Unscramble Wh Questions
14. Wh Practice
15. Education and the Poor
16. Controlled Role play
17. Debate on Education
18. Education in the Future
19. Entertainment Word Grid
20. Classify Entertainment Wordlist
21. Guess the Missing Letter

22. Proverb-Visual Description
23. Supply Wh Words
24. Rearrange Questions
25. Information Gap Questions

Unit-III:

26. Asking Questions
27. More about Actions
28. More about Actions and Uses
29. Crime Puzzle
30. Possessive Quiz
31. Humorous News Report
32. Debate on Media and Politics
33. Best Entertainment Source

Unit-IV:

34. Career Word Grid
35. Job-Related Wordlist
36. Who's Who?
37. People at Work
38. Humour at Workplace
39. Profession in Context
40. Functions and Expressions
41. Transition Fill-in
42. Transition Sord Selection
43. Professional Qualities
44. Job Procedures
45. Preparing a Resume
46. Interview Questions
47. Job Cover Letter Format
49. E-mailing an Application
50. Mock Interview

Non-Detailed:

“King Lear” from *Six Tales From Shakespeare*

Unit-V:

51. Society Word Grid
52. Classify Society Wordlist

53. Rearrange the Story
54. Storytelling
55. Story Cluster
56. Words Denoting Time
57. Expressing Time
58. What Can You Buy?
59. Noise Pollution
60. Positive News Headlines
61. Negative News Headlines
62. Matching Conditions
63. What Would You Do?
64. If I were the Prime Minister
65. My Dream Country

Non-Detailed: “Macbeth” from *Six Tales From Shakespeare*

Textbook

1. Joy, J.L. & Peter, F.M. *Let's Communicate 2*, New Delhi: Trinity Press, 2014. Print.

Non-Detailed Text

1. Dodd, E F. *Six Tales From Shakespeare*. London: Macmillan, 1987. Print. (Last three tales)

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UGE120102	Title of the Paper General English-II												Hours 5	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	5	4	4	4	4	5	4	4	3	3	3	4	4	3.9	
CO2	4	3	4	4	4	5	5	4	4	4	4	4	3	4.0	
CO3	4	3	4	4	4	3	3	4	4	3	3	4	4	3.6	
CO4	4	3	3	4	4	4	4	3	3	5	5	4	4	3.8	
CO5	4	3	4	4	4	4	4	3	3	4	4	5	5	3.9	
CO6	5	4	4	3	3	4	4	3	4	4	5	4	4	3.9	
Mean Overall Score														3.8	

Result: The Score for this Course is 3.8 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester II
17UEC230203

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6 - 5

MICRO ECONOMICS-II

Course Outcome

- * To impart an understanding about the behaviour of the producer in different types of markets.
- * To study the pattern of resource allocation for the well being of the society.
- * To get to know the idea of how Products are priced.
- * To get to know the idea of when price discrimination is possible.
- * To make the students know how price and output are determined.
- * To understand the Concept of Factor Pricing.
- * To study the concept of Welfare Economics.
- * To get to know the different concepts of Social Welfare.

Unit-I: Theory of Product Pricing (18 Hours)

Market structure - Meaning and elements – Types - Perfect competition - Price and Output determination - Equilibrium of the firm and industry in the short-run and long-run - Role of time element.

Unit-II: Monopoly (18 Hours)

Simple Monopoly - Discriminating Monopoly - Price and Output determination under simple Monopoly - Concept of Bilateral Monopoly - Monopsony - Duopoly.

Unit-III: Monopolistic Competition & Oligopoly (18 Hours)

Features of Monopolistic Competition - Equilibrium of Firm and Industry under short-run and long-run (Group Equilibrium) - Selling cost - Oligopoly: Features - Price determination - Kinked demand curve model- and Price leadership model.

Unit-IV: Theory of Factor Pricing (20 Hours)

Marginal productivity theory of distribution - Rent - Ricardian theory of rent - Modern theory of rent - Wages - Real and Nominal Wage -- Demand and supply theory - Causes for wage difference - Trade Unions and Wages - Interest – Classical – Neoclassical - Keynes and Modern theory of Interest - Profit - Gross and Net Profit - Theories of Profit - Risk and uncertainty theory - Innovation theory.

Unit-V: Welfare Economics (16 Hours)

Meaning of Social Welfare - Different concepts of Social Welfare - Pareto criteria - Amartya Sen's views on Welfare Economics.

Case study:

Undertaking surveys to know the advertisement strategies of a few leading firms in the city.

Textbook

1. Ahuja H.L., (2009) *Principles of Micro Economics*, S.Chand, New Delhi.
2. S.Sankaran - *Economic Analysis*, Margham Publications, Madras, 1991

Books for Reference

1. Stonier and Hague, *A Text Book of Economic Theory*, (1958), Long Mans Green & Co., London.
2. Seth, M. L. (1991) *Principles of Economics*, Lakshmi Narain Agarwal, Agra.
3. Samuelson Paul, A., *Price Theory*, McGraw-Hill School Education Group.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UEC230203	Title of the Paper Part-III: Micro Economics II												Hours 6	Credits 5
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	3	4	3	2	4	4	4	4	4	4	4	5	3.69	
CO2	3	2	3	4	3	5	3	3	3	5	5	5	4	3.69	
CO3	4	3	3	2	4	4	2	4	5	4	3	3	5	3.54	
CO4	3	4	3	2	3	3	4	5	4	3	4	4	3	3.46	
CO5	2	3	2	3	2	5	5	3	3	5	2	4	2	3.15	
CO6	3	4	3	2	4	3	3	4	2	4	4	4	4	3.38	
CO7	4	3	4	3	2	2	4	3	5	3	4	3	3	3.31	
CO8	3	4	4	3	4	3	3	4	4	2	4	2	3	3.31	
Mean Overall Score														3.44	

Result: The Score for this Course is 3.44 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester II
17UEC230204

L P C
5 - 4

INDIAN ECONOMIC DEVELOPMENT - II

Course Outcome

- * To give a basic knowledge of Natural Resources in India Economy
- * To know the current knowledge of Human Resources of India
- * To study the Human Development Index
- * To study the significance of Infrastructure in Indian Economy
- * To study the performance of various sectors in India
- * To analyse the impact of Globalization on Indian Economy

Unit-I: Natural Resources (15 Hours)

Natural Resources: Land - Water - Forest – Minerals – Fisheries – Polices of Indian Government.

Unit-II: Human Resources (15 Hours)

Demographic Features: Size and growth, rate of population - Sex Composition - Age Composition – Demographic Dividend - Density – Urbanization – Migration – Population Policy - Human Development Index.

Unit-III: Physical Infrastructure (15 Hours)

Infrastructure and economic development - Transport: Railways, Roads, Shipping and Airways –Energy - Power.

Unit-IV: Services Infrastructure (15 Hours)

Role of Service Sector in Economic Development – Banking – Insurance – Telecommunications – IT Industry – ITES- Education and Health – Health Tourism

Unit-V: Economic Reforms (15 Hours)

Public Sector: Role and Importance - Private Sector - Corporate Sector - Economic Reforms and New Economic Policy, 1991 - Liberalization, Privatization and Globalization – WTO- MNCs – Second Generation Reforms - Demonetisation.

Text Book

1. Ruddar Datt and K.P.M. Sundharam, *Indian Economy*, Sultan Chand, New Delhi, 2016.
2. Uma Kapila, *Indian Economy*, 9th Edition, ISBN:8171887902, Published by Academic Foundation, 2010.

Books for Reference

1. Ishwar.C.Dhingra, *The Indian Economy*, Twenty first edition, Sultan Chand, New Delhi, 2009.
2. Mishra & Puri, *Economics of Development and Planning*, Himalaya, Mumbai, 7th edition, 2005.
3. Meier, G.M, *Leading Issues in Economic Development*, OUP, New Delhi, 6th edition, 1995.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UEC230204		Title of the Paper Part-III: Indian Economic Development-II										Hours 5	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	4	3	4	3	2	5	4	3	5	5	3	3	4	3.692
CO2	3	2	3	1	2	4	4	3	4	4	4	3	5	3.231
CO3	3	3	2	2	1	4	4	4	4	3	3	4	5	3.231
CO4	3	4	3	2	3	4	4	3	4	3	3	4	4	3.385
CO5	4	3	3	3	2	3	4	3	5	5	4	3	5	3.615
CO6	3	2	3	2	3	4	5	3	5	5	4	4	5	3.692
Mean Overall Score														3.474

Result: The Score for this Course is 3.47 (High Relationship)

Note:

Mapping Scale	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester II
17UEC230402

L P C
6 - 5

Allied:

MATHEMATICAL METHODS FOR ECONOMICS - II

Course Outcome

- * To give students a solid foundation in both mathematics and economics, stressing those areas of mathematics and statistics that are most relevant to economics and the parts of economics that emphasize the use of mathematics and statistics.
- * To understand and to be competent with the following mathematical tool: matrices, determinants and inverse matrices, partial derivatives, unconstrained and constrained optimization of functions of several variables.
- * To equip students with analytical and organizational skills.
- * To help students to successfully use mathematics in economics and business applications.
- * To apply mathematical techniques to the study of economic models.
- * To formally represent economic relationships using mathematical forms & present several economic functions and their relations.
- * To represent economic models using matrix algebra and linear programming
- * To understand the basics of tools of econometrics and its application in economics.

Unit-I: Progression, Relations and Functions (18 Hours)

Ratio - Proportion – Progression - Arithmetic progression - Geometric progression, Functions - types of functions - Application in Economics

Unit-II: Matrix-I (18 Hours)

Matrix - Meaning and types of matrices - Operation of matrix – Addition – subtraction, multiplication, division - Determinant – Properties of determinant.

Unit-III: Matrix-II (18 Hours)

Rank of matrix, trace of matrix, inverse, properties of inverse - solution to linear equations - Cramer's rule - Inverse method – Applications in Economics: input-output analysis (introduction and concepts alone)

Unit-IV: Linear Programming (18 Hours)

Meaning - Basic concepts - Graphical solution to linear programming problem (only two variables) – Dual Method.

Unit-V: Introduction to Econometrics (18 Hours)

Definition - Econometrics and Mathematics - Econometrics and Statistics - Meaning of Linear Regression Model – Concepts of Economic Model, Mathematical Model, Econometric Model and Error Term - Concepts of Auto Correlation, Heteroscedasticity and Multicollinearity.

Text Book

1. Agarwal, C. S. and Joshi, R. C., *Mathematics for Economists*, The New Academic, Jalandhar, 1983.
2. Bose, D., *An introduction to Mathematical Economics*, Himalaya Publishing House, Mumbai, 2010.

Books for Reference

1. Singh Parasher Singh, *An Introduction to Econometrics*, Sterling, New Delhi, 1998.
2. Domodar N Gujarati, *Basic Econometrics*, Tata McGraw Hill Education, New Delhi, 2007.
3. Schaum's Outline of Introduction to Mathematical Economists, 3rd Edition, Edward Dowling, McGraw Hill Education, 2011

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UEC230402	Title of the Paper Part-III: Mathematical Methods in Economics II												Hours 6	Credits 5
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	3	4	3	2	4	3	4	3	5	4	4	4	3.54	
CO2	3	2	3	5	3	5	4	3	4	3	5	4	3	3.62	
CO3	4	3	3	2	5	3	4	3	3	2	4	4	3	3.31	
CO4	3	4	3	2	3	4	4	5	2	4	3	4	4	3.46	
CO5	2	5	2	4	4	2	3	4	5	3	2	5	4	3.46	
CO6	3	4	3	2	4	4	4	2	4	3	3	2	5	3.31	
CO7	4	3	4	3	2	3	3	5	4	4	4	3	5	3.62	
CO8	3	4	4	3	4	3	4	4	4	3	3	4	3	3.54	
Mean Overall Score														3.48	

Result: The Score for this Course is 3.48 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester II
17UCE240802A

Hours/Week: 2
Credit: 2

COMPUTER LITERACY

Course Outcomes

1. Understand the basics of Computer Systems
2. Familiar with the applications of MS-Office / HTML & CSS
3. Know the statistical data analysis using R
4. Aware the latest trends and technologies such as Mobile Computing, Big Data and Analytics, Cloud Computing.
5. Understand the concepts of social networking sites.
6. Knowledge in Cyber Crime and Cyber Ethics.

Unit-I: Computer System

Computer - An Introduction - Hardware Components - Input and Output Technologies - Computer Hierarchy- Software Fundamentals - Systems Software and Os- Application Software- Software Licensing - Open Systems- Open Source Software- Programming Languages- Information Systems- General It Trends.

Unit-II: (For Non-CS)

Microsoft Word: Introduction - Word Environment - Opening and Creating a New Document - Saving Documents - Proofing Features - Printing a Document - Formatting Text - Working with Shapes and Lists - Line and Paragraph Spacing- Working with Tables - Columns and Ordering- Working with Pictures- Working with Headers and Footers - Using Indents and Tabs - Using Mail Merge.

Microsoft Excel: Introduction - Document Creation - Renaming a worksheet - Office user interface - Open a New Workbook - Columns, Rows, and Cells - Selecting a cell - Basic data entry, fill handle - Insert columns - Arithmetic Calculations & Formulas - Excel Formulas- Calculate with Functions - Function Library - Graphs and Charts - Printing the Document.

Microsoft Powerpoint: Starting PowerPoint - Working with Slides - Applying Theme - Animation- Transitions – Views.

Unit-II: (For CS)

HTML: Introduction - HTML generations – HTML Tags – Headings – Paragraphs – Comments – Line Breaks – Formatting Tags – Hyperlinks – Images – Lists – Tables – Frames – Forms.

CSS: Introduction – Use of External Style Sheet – Defining Styles – Use Relative Sizing – Use Numbered Value for Color.

Unit-III: Statistical Data Analysis

Introduction - R Programming Language - Basic R Commands - Univariate and Bivariate Statistical Measures - Graphic Representation of Statistical Data - Lab Exercise.

Unit-IV: SMAC

Introduction - Understanding the Enterprise of Tomorrow - Social Networking - Mobile Computing - Big Data and Analytics - Cloud Computing

Unit-V: Cyber Crime

Definition - List of Cyber Crimes - Cyber Ethics- Unethical Behaviour - Securing information privacy and confidentiality - Internet Ethics - Indian Information Technology Act - Advantages of Cyber Laws - National e-Governance Plan (NeGP) - eCommerce - Electronic Fund Transfer (EFT)

Book for Study

1. Department of Foundation Course, “Computer Literacy”, St. Joseph’s College, 2017.

Books for Reference

1. Alexis Leon, “Introduction to computers”, Vikas Publishing House Pvt. Ltd., New Delhi, 2008.
2. Alexis Leon and Mathew Leon, “Introduction to computers with Ms Office 2000”, Tata McGraw Hill Publishing Co. Ltd., New Delhi, 2005.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UCE240802A	Title of the Paper COMPUTER LITERACY														Hours 2	Credits 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8				
CO1	5	5	4	4	5	5	4	3	4	3	4	4	4	4.15			
CO2	5	5	4	4	4	4	4	4	4	3	4	4	4	4.08			
CO3	4	3	3	4	4	4	4	4	4	3	4	4	4	3.77			
CO4	5	5	4	4	4	5	4	4	4	3	4	4	4	4.15			
CO5	4	4	3	4	4	4	4	4	4	3	4	4	4	4.15			
CO6	5	5	5	4	4	5	4	4	4	4	4	4	4	4.31			
Mean Overall Score														4.10			

Result: The Score for this Course is 4.1 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester II
17UFC241002

Hours/Week: 2
Credits: 2

FUNDAMENTALS OF HUMAN RIGHTS

Course Outcome

1. To ensure acquiring the knowledge about the historical background of human rights.
2. To ensure sensitizing the young the values of human rights.
3. To ensure the importance of human rights in the Indian context.
4. To ensure learning the fundamental duties in the constitution of India.
5. To ensure educating the youth in respecting and protecting the rights of every other human being.
6. To ensure teaching the youth on the vulnerabilities of women and children.

Unit-I

Introduction, Classification of Human Rights, Scope of Human Rights, Characteristics of Human Rights, and Challenges for Human Rights in the 21st Century.

Unit-II

Human Rights in Pre-World War Era, Human Rights in Post-World War Era, Evolution of International Human Rights Law - the General Assembly Proclamation, Institution Building, Implementation and the Post Cold War Period. The ICC.

Unit-III

Introduction, Classification of Fundamental Rights, Salient Features of Fundamental Rights, and Fundamental Duties

Unit-IV

Women's Human Rights, Issues related to women's rights, and Rights of Women's and Children

Unit-V

Human Rights Violations, Human Rights Violations in India - the Human Rights Watch Report, January 2012, Human Rights Organizations.

Text Book:

1. **Techniques of social Analysis: Fundamentals of Human Rights**, Department of Foundation course, St. Joseph's College, Tiruchirappalli, 2015.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester II	Course Code 17UFC241002	Title of the Paper FUNDAMENTALS OF HUMAN RIGHTS														Hours 2	Credits 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8				
CO1	5	1	5	5	2	4	4	4	5	4	4	5	5	4.2			
CO2	4	1	5	4	2	4	4	4	4	5	5	5	5	4.0			
CO3	5	1	5	5	2	5	5	4	4	4	5	5	5	4.2			
CO4	4	1	5	5	2	2	4	3	5	5	4	4	5	3.8			
CO5	5	1	5	4	1	5	5	5	5	5	4	4	4	4.1			
CO6	3	1	5	4	1	4	3	5	5	3	4	4	5	3.6			
Mean Overall Score														3.9			

Result: The Score for this Course is 3.9 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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பருவம்: 3
17UGT310003

மணி நேரம்: 4
புள்ளிகள்: 3

பொதுத்தமிழ்-III

பாடத்தின் விளைவு

- செம்மொழியாம் தமிழ் மொழியின் சிறப்பை அறிதல்.
- பண்டை இலக்கியங்கள் உணர்த்தும் அறக்கருத்துகளை அறிதல்
- புதினம் வாயிலாகத் தற்காலச் சமுதாயச் சிக்கல்களையும், அதற்கான தீர்வுகளையும் ஆராயும் திறன் பெறுதல்
- மானுட வாழ்வில் அகம், புறம் பற்றிய பாகுபாட்டை தமிழ்ச்செய்யுள் வாயிலாக அறிதல்.
- தமிழர்களின் ஈகையும் வீரமும் எடுத்துரைக்கும் புறச்செய்திகளை அறிதல்
- நீதிநூல்கள் மனித வாழ்வை செம்மைப்படுத்தும் பாங்கினை உணர்த்துதல்.

அலகு: 1 (12 மணி நேரம்)
நெடுநல்வாடை (முழுமையும்)

அலகு: 2 (12 மணி நேரம்)
குறுந்தொகை - பாடல்கள் - (32, 323, 305, 290, 168)
யாப்பிலக்கணம் (வெண்பா, ஆசிரியப்பா)

அலகு: 3 (12 மணி நேரம்)
கலித்தொகை - பாடல்கள் - (குறிஞ்சிக்கலி-15, பாலைக்கலி-9, மருதக்கலி-15, நெய்தற்கலி-22, முல்லைக்கலி-07)
இலக்கிய வரலாறு - முதற்பாகம் ('தமிழ் மொழியின் தொன்மையும் சிறப்பும்' முதல் 'சங்க தொகை நூல்கள்' முடிய) புதினம்.

அலகு: 4 (12 மணி நேரம்)
பதிற்றுப்பத்து - பாடல்கள் (12, 24,)
புறநானூறு - பாடல்கள் (46, 86, 122, 214, 246)
அணியிலக்கணம்

அலகு: 5 (12 மணி நேரம்)
திருக்குறள் - ஈகை, ஆள்வினை உடைமை, நிறை அழிதல் ஆகிய அதிகாரங்கள்
நாலடியார் - இளமை நிலையாமை(11), பிறன்மனை நயவாமை(82), பெருமை(185), அறிவின்மை(254), காமநுதலியல்.(391).
இலக்கிய வரலாறு - சங்க இலக்கியங்களின் தனித்தன்மைகள் முதல் இரட்டைக் காப்பியங்கள் முடிய

பாடநூல்கள்:

- செய்யுள் திரட்டு, தமிழாய்வுத் துறை வெளியீடு (2017-2020).
- சமூகவியல் நோக்கில் தமிழிலக்கிய வரலாறு, தமிழாய்வுத்துறை வெளியீடு, 2014.
- புதினம் (ஒவ்வொரு கல்வியாண்டும் ஒவ்வொரு புதினம்).
காணாமல் போன கவிதை (2017-18).

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UGT310003	Title of the Paper பொதுத்தமிழ்-III														Hours 5	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8				
CO1	5	5	5	4	5	5	5	4	5	5	4	4	5	4.6			
CO2	5	5	4	3	4	5	4	5	5	5	4	4	5	4.4			
CO3	5	5	5	3	4	5	5	5	5	5	4	3	5	4.5			
CO4	5	5	5	5	4	5	5	5	5	5	4	5	5	4.8			
CO5	5	4	4	4	4	5	5	5	5	5	3	3	5	4.3			
CO6	5	5	5	3	4	5	5	5	5	5	4	3	5	4.5			
Mean Overall Score														4.5			

Result: The Score for this Course is 4.5 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
1	1	2	3	4	5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$		Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$	
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Semestre: III
17UGH310003

Hours/Week: 4
Credits: 3

Course Outcomes

At the end of the course, a student should be able to demonstrate...

- * the ability to enable the students to complete the pre-reading task to comprehend the local and global issues in the lessons.
- * the ability to enable the students to complete the post-reading task centering on Grammar and Skill Development.
- * the relevance of Bhakthi Movement in Hindi Literature.
- * the ability to imagine and write poems.
- * the ability to quote poetry in Speeches.
- * the ability to write friendly and formal letters.

Unit-I **8 hours**

Tera Sneh Na Kho oon, Kavi Parichaya, Patra Likne ke Kaaran, Patra Kee Avashyakatha, Sandhi keeye, Vighra Keejiye

Unit-II **12 hours**

Ek boondh, Tera Sneh Na Kho oon kavitha kee manovygnaik stiti, Chutti Patra, Sandhi

Unit-III **12 hours**

Ekloondh Kavitha Ka Uddeshya, Kabir Ke Dohe, Nagar Palika ko Patra, Samas

Unit-IV **14 hours**

Vimal Indu Kee Vishal Kiranen, Rahim Ke Dohe, Naukari Keliye Avedan Patra, Upasarga

Unit-V **14 hours**

Thulasi ke Dohe, Kitab Maangne Keliye Patra, Pratyaya, Kaviparichaya

Books Recommended

1. Dakshina Bharath Hindi Prachara Sabha, Thiagaraya Nagar, Subodh Hindi, Paatamala-3, Chennai-600 017, Hindi, 2016.
2. DBHP Sabha, T.Nagar, Chennai-600 017, Abihav Patralekhan, 2016
3. Ram Dev, Vyakaran Pradeep, Hindi Bhavan, 63 Tagore Nagar, Alahabad 2, 2016.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UGH310003	Title of the Paper Hindi-III						Hours 4	Credits 3
Course Outcomes (COs)		Programme Outcomes (POs)			Programme Specific Outcomes (PSOs)			Mean Score of COs	
		PO1	PO2	PO3	PO4	PO5	PO6		
CO1		4	4	4	3	3	4	4	3.6
CO2		3	3	2	3	3	5	3	3.0
CO3		3	3	3	3	3	4	3	3.2
CO4		3	2	2	3	3	3	3	2.9
CO5		3	3	3	3	3	3	3	3.2
CO6		4	4	4	3	3	3	3	3.3
Mean Overall Score									3.2

Result: The Score for this Course is 3.2 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation Quality	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs =	$\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs =	$\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semestre: III
17UGF310003

Heures /Semaine: 4
Credits : 3

FRANÇAIS-III

Course Outcomes

- * Comparer la culture de l'Inde et de la France
- * Familiariser l'étudiant avec le vocabulaire, la grammaire et les conversations
- * Connaître des journaux, des courriels, des lettres
- * Parler des projets de vacances
- * Exprimer l'étonnement
- * Parler de ses projets d'avenir, exprimer l'opposition.

Unit-I: Un entretien et Au restaurant (10 heures)

Demander des informations personnelles à quelqu'un, donner des informations, répondre à une proposition. Réserver une table, demander la carte, commander, apprécier les plats, demander l'addition.

Grammaire: Imparfait, Imparfait et passé composé, expression du temps, expression de la conséquence. Le futur, présent des verbes peser, rejoindre, le passé récent, le présent progressif, le futur proche, Restriction-ne...que, moi aussi...

Unit-II : Enfin les vacances ! et Un autre institut (10 heures)

Raconter son emploi du temps quotidien, parler des projets de vacances, exprimer l'étonnement. Rassurer/consoler, s'indigner

Grammaire: Verbes pronominaux, pronom y, quelqu'un/ne...personne, quelque chose/ne...rien, ne...jamais, Déjà/ne...pas encore, chacun, adjectifs indéfinis. Pronoms relatifs, impératif, indicateurs de temps : de...à, à partir de...jusqu'à, depuis, pendant.

Unit-III : Un Indien célèbre visite la France et Qui dépense plus? (10 heures)

Demander des informations sur quelqu'un, demander une opinion, donner son opinion. Dire à quelqu'un d'être prudent, faire des reproches à quelqu'un, se justifier.

Grammaire: Pronoms relatifs composés, pronoms compléments d'objet directs et indirectes, opposition savoir/Connaitre, connecteurs chronologiques, nombre ordinaux. Le comparatif, c'est+ nom+ qui, il reste, encore, il y a, souvent.

Unit-IV: Penser à son avenir - (15 heures)

Parler de ses projets d'avenir, exprimer l'opposition.

Grammaire : Style direct/indirect, proposition introduite par que, mots d'enchaînement – donc, pourtant.

Unit-V: L'astrologie (15 heures)

Exprimer des conditions, dire quelque chose n'a pas d'importance, proposer quelque chose.

Grammaire: Le conditionnel – la condition.

Manuel:

1. K.Madanagobalane, **Synchronie-II**, Samhitâ Publication, 2011.

Livre de référence :

1. Annie Berthet /B_atrix Sampsonis/ Catherine Hugot /V_ronnique M Kizirian / Monique Waendendries, **Alter Ego A1**, Hachette, 2006.
2. Yves Loiseau/R_gineM_rieux, Connexions 1, Didier, 2011.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UGF310003	Title of the Paper French-III										Hours 4	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6		
CO1	4	4	2	3	4	4	2	3	3	2	2	3.0	
CO2	3	3	3	3	4	4	2	3	4	2	3	3.1	
CO3	3	2	3	2	4	3	4	3	3	3	3	3.0	
CO4	3	3	4	3	4	2	3	3	3	4	4	3.3	
CO5	3	3	4	3	4	2	3	3	4	4	4	3.4	
CO6	3	4	3	3	3	3	3	3	4	4	4	3.4	
Mean Overall Score												3.2	

Result: The Score for this Course is 3.2 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester: III
17UGS310001

Hours/Week: 4
Credits : 3

SANSKRIT-III

Course Outcomes

At the end of the course, a student should be able to demonstrate...

- * Knowledge and understanding of essential Sanskrit vocabulary in a given topic
- * Knowledge and understanding of the appropriateness of basic Sanskrit structures in Slokas
- * Knowledge of the basic Sanskrit poetry.
- * An idea on Epics and Puranas.
- * The usage of – Upasargas.
- * The familiarization the history of Sanskrit literature Vedas – Puranas and Natakas.

Unit-I **8 hours**

Romodantam. Balakandam. 1-15

Unit-II **12 hours**

Romodantam. Balakandam. 15-30

Unit-III **12 hours**

Vedas – Vedangas. vivaranam.

Unit-IV **14 hours**

Puranas. Upanishads.

Unit-V **14 hours**

Upasargas. Bhavishyat Kaalah

Books recommended:

1. Parameshwara, Ramodantam, LIFCO, Chennai, 2015.
2. R.S. Vadhya & Sons, Book-Sellers and Publishers, Kalpathi, Palghat-678003, Kerala, South India, History of Sanskrit Literature, 2015.
3. Kulapathy, K.M., Saral Sanskrit Balabodh, Bharathiya Vidya Bhavan, Munshimarg, Mumbai-400 007, 2015.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UGS310003	Title of the Paper Sanskrit-III					Hours 4	Credits 3				
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	Mean Score of COs
	CO1	5	3	5	4	4	3	3	3	3	4	3.1
	CO2	4	3	4	4	4	4	3	3	4	4	3.1
	CO3	4	3	3	4	4	4	4	3	3	4	3.1
	CO4	4	3	3	4	3	4	4	3	4	4	3.1
	CO5	4	4	4	3	4	3	3	4	3	4	3.1
	CO6	5	4	4	4	4	3	3	3	4	3	3.1
	Mean Overall Score											3.1

Result: The Score for this Course is 3.1 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester: III
17UGE320103

Hours/Week: 5
Credits: 3

GENERAL ENGLISH-III

Course Outcome

- * Comprehend the local and global issues through the lessons
- * Do the tasks centering on skill development and enhance their Grammar Using and Writing Skills
- * Use interactive skills
- * Train and develop the Listening and Reading Skills of the learners through teacher-led reading practice
- * Enhance their Listening, Reading, Speaking, and Writing Skills
- * Develop their Creative and Critical Thinking and Speaking Skills

Unit-I: *Suggestions to Develop Your Reading Habit

- 1.0 Introduction
- 1.1 Objectives
- 1.2 Listening and Reading Skills through Teacher-led Reading Practice
- 1.3 Glossary
 - 1.3.1 Words
 - 1.3.2 Phrases
- 1.4 Reading Comprehension
- 1.5 Critical Analysis
- 1.6 Creative Task
- 1.7 General Writing Skill: Letter Writing: Informal
- 1.8 Grammar: Simple Present Tense
- 1.9 **Non-Detailed Text:** Dickens, Charles. *Hard Times*.

Unit-II: *The Secret of Success: An Anecdote

- 2.0 Introduction
- 2.1 Objectives
- 2.2 Listening and Reading Skills through Teacher-led Reading Practice
- 2.3 Glossary
 - 2.3.1 Words
 - 2.3.2 Phrases
- 2.4 Reading Comprehension
- 2.5 Critical Analysis
- 2.6 Creative Task
- 2.7 General Writing Skills: Letter Writing: Formal

- 2.8 Grammar: Present Continuous Tense
- 2.9 **Non-Detailed Text:** Dickens, Charles. *Hard Times*.

Unit-III: *The Impact of Liquor Consumption on the Society

- 3.0 Introduction
- 3.1 Objectives
- 3.2 Listening and Reading Skills through Teacher-led Reading Practice
- 3.3 Glossary
 - 3.3.1 Words
 - 3.3.2 Phrases
- 3.4 Reading Comprehension
- 3.5 Critical Analysis
- 3.6 Creative Task
- 3.7 General Writing Skills: Letter to Newspaper
- 3.8 Grammar: Simple Past Tense
- 3.9 **Non-Detailed Text:** Dickens, Charles. *Hard Times*.

Unit-IV: * Dr. A.P.J. Abdul Kalam: A Short Biography

- 4.0 Introduction
- 4.1 Objectives
- 4.2 Listening and Reading Skills through Teacher-led Reading Practice
- 4.3 Glossary
 - 4.3.1 Words
 - 4.3.2 Phrases
- 4.4 Reading Comprehension
- 4.5 Critical Analysis
- 4.6 Creative Task
- 4.7 General Writing Skill: Write a letter applying for a job
- 4.8 Grammar: Past Continuous Tense
- 4.9 **Non-Detailed Text:** Dickens, Charles. *Hard Times*.

Unit-V: *Golden Rule: A Poem

- 5.0 Introduction
- 5.1 Objectives
- 5.2 Listening and Reading Skills through Teacher-led Reading Practice
- 5.3 Glossary
 - 5.3.1 Words
 - 5.3.2 Phrases

- 5.4 Reading Comprehension
- 5.5 Critical Analysis
- 5.6 Creative Task
- 5.7 Grammar: Simple Future Tense
- 5.8 General Writing Skill: Circular-Writing
- 5.9 **Non-Detailed Text: Dickens, Charles. *Hard Times*.**

Unit-VI: *Hygiene

- 6.0 Introduction
- 6.1 Objectives
- 6.2 Listening and Reading Skills through Teacher-led Reading Practice
- 6.3 Glossary
 - 6.3.1 Words
 - 6.3.2 Phrases
- 6.4 Reading Comprehension
- 6.5 Critical Analysis
- 6.6 Creative Task
- 6.7 General Writing Skill: Writing an Agenda for a Meeting
- 6.8 Grammar: Future Continuous Tense
- 6.9 **Non-Detailed Text: Dickens, Charles. *Hard Times*.**

Textbook

1. Jayraj, S. Joseph Arul et al. *Trend-Setter: An Interactive General English Textbook for Under Graduate Students*. New Delhi: Trinity, 2016. Print.

Non-Detailed Text:

1. Dickens, Charles. *Hard Times*. Wordsworth: Printing Press, 1854. Print.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UGE320103	Title of the Paper General English-III												Hours 5	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	5	5	5	5	4	5	5	5	5	5	5	5	4	4.84	
CO2	5	5	5	5	5	5	5	5	5	5	5	5	4	4.92	
CO3	5	5	5	5	5	5	5	5	5	5	5	5	4	4.92	
CO4	5	5	5	5	4	5	5	5	5	5	5	5	4	4.84	
CO5	5	5	5	5	4	5	5	5	5	5	5	5	4	4.84	
CO6	5	5	5	5	4	5	5	5	5	5	5	5	4	4.84	
Mean Overall Score															4.86

Result: The Score for this Course is 4.86 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semester III
17UEC330205**

**L P C
6 - 4**

MACRO ECONOMICS-I

Course Outcome

- * To understand significance of Macro Economics
- * To analyse the importance of National Income of the country
- * To know the concepts of unemployment and employment of states
- * To know the various theories of Classical and Keynesian school of thought
- * To understand the psychology of consumers with respecting the consumption pattern
- * To study the various types of Investment and their prospective yield

Unit-I: Introduction to Macro Economics and National Income (15 Hours)

Definition - Nature and Scope of Macro Economics - Significance and Limitations - Difference between Micro Economics and Macro Economics - Stock and flow variables - National Income: Definition - Methods of Measurement of National Income - Difficulties in the Measurement of National income – Uses of National Income estimates.

Unit-II: Theories of Employment (15 Hours)

Concept of Employment - Say's Law of Market - Classical theory of Employment - Keynesian Theory of Employment - Determination of Effective demand - Comparison and contrast between Classical and Keynesian contribution.

Unit-III: Consumption Function (15 Hours)

Average and Marginal propensity to consume - Keynes Psychological Law of Consumption - Determinants of Consumption Function - Absolute Income Hypothesis – Duesenberry's Relative Income Hypothesis — Friedman's Permanent Income Hypothesis – Franco-Modigliani's Life Cycle Income Hypothesis.

Unit-IV: Investment Function (15 Hours)

Concept of Investment - Autonomous and Induced Investment - Factors determining Investment: Rate of Interest - MEC - rate of discount - Prospective yield, supply price - Post-Keynesian theory of Investment demand – IS-LM Function.

Unit-V: Multiplier and Accelerator (15 Hours)

Multiplier - Its working and leakages - Importance and criticisms - Acceleration Principle - Samuelson's and Hicks theories of Accelerator - Super-multiplier.

Text Book

1. Jhingan M. L., Macro Economic Theory, 11th Revised Edition, ISBN -18-87125-45-4, Vrinda Publication (P) Ltd, New Delhi, 2011.
2. Gupta. R.D, Keynesian and Post Keynesian Economy, Milestone, New Delhi, 1983.

Books for Reference

1. Seth, M.L, Macro Economics, 28th Revised Edition 2010-11, Lakshmi Narain Agarwal, Agra.
2. Edward Shapiro, Macro Economic Analysis, Galgotia, 12th edition, 2012, New Delhi.
3. Maria john Kennedy, Macro Economic Theory, PHI learning PVT, limited, New Delhi, 2011.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UEC330205	Title of the Paper Part-III: Macro Economics I												Hours 6	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	3	4	3	4	4	2	3	3	3	4	2	3	3.15	
CO2	2	4	5	3	3	5	3	2	4	4	3	2	5	3.46	
CO3	3	5	3	2	5	3	4	3	3	4	1	3	4	3.31	
CO4	3	3	2	3	3	5	4	4	2	3	3	3	3	3.15	
CO5	5	4	3	2	3	3	4	5	3	5	3	5	4	3.77	
CO6	3	3	2	3	3	5	4	5	3	2	5	4	5	3.62	
Mean Overall Score														3.41	

Result: The Score for this Course is 3.41 (High Relationship)

Note:

Mapping Scale	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester III
17UEC330206

L P C
5 - 3

URBANECONOMICS

Course Outcome

- * The objectives of this course are for students to gain an economic understanding of: why cities exist, – why firms within and across industries cluster, – why cities grow or decline, – how prices for land are determined, – how local governments provide public goods, and – why some social ills are concentrated in cities.
- * Helps students to use the tools of microeconomics to explain a variety of urban economic phenomena.
- * This course is also useful to students who wish to learn the economic approach to analyzing urban development.
- * Equips students with an understanding of location theory as applied to households and firms and develops an understanding of the structure of urban areas, urban form, and how prices of land and housing are determined in an urban area.
- * Encourages students to integrate the learning in urban economics into service for the community

Unit-I: Urban Systems (15 Hours)

Structure of Human settlement - Spatial economic organization - Urban system - Functional dependencies between human settlements of different sizes.

Unit-II: Economics of Location (15 Hours)

Economics of city size - Agglomeration Economics – Migration - Economics of location - City size distribution – Satellite Town - Smart City.

Unit-III: Urban Infrastructure (15 Hours)

Urban infrastructure - Land use pattern – Land Market - Urban housing - Slum renewal and up gradation – Urban crimes.

Unit-IV: Urban Planning (15 Hours)

Urban planning – Transport - MRTS - Metro Industrial Complex - Energy use – Water Supply and Drainage – Solid Waste Management System.

Unit-V: Urban Finance (15 Hours)

Urban Finance- sources of urban finance- Different Methods - Federal Finance --Local Public Finance - Municipal Administration - Private Sector Participation – PPP model.

Textbook

1. Arthur.O’Sullivan, *Urban Economics*, McGrawHill Education group, UK, 7th edition, 2008.

Books for Reference

1. Diamon, Tolley, *The Economics of Urban Amenities*, Academic Press, New York, 1982.
2. Richardson, *Urban Economics*, Penguin, Harmondsworth, 1971.
3. Sivarmakrishnan, *The Economic Development & Green Metropolitan Management*, Institute of the World Bank, OUP, 1986.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UEC330206	Title of the Paper Part-III: Urban Economics													Hours 5	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)				Programme Specific Outcomes (PSOs)									Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8			
CO1	3	4	4	2	4	4	4	4	5	5	2	3	5	3.77		
CO2	4	3	2	4	3	4	3	4	4	2	2	3	3	3.15		
CO3	3	1	4	3	4	4	4	4	4	4	1	2	4	3.23		
CO4	2	3	4	2	3	3	3	3	5	3	1	1	4	2.85		
CO5	4	2	3	4	3	4	4	4	5	2	2	1	3	3.15		
CO6	2	3	2	3	4	4	4	4	4	4	3	2	2	3.15		
Mean Overall Score														3.21		

Result: The Score for this Course is 3.21 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation Quality	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semester III
17UEC330403**

**L P C
6 - 5**

**Allied:
STATISTICS FOR ECONOMICS-I**

Course Outcome

- * To acquaint students with various statistical methods and their applications in different fields
- * To introduce the fundamentals of statistics and various types of data
- * To develop the skills for sampling and sampling techniques used to collect survey data
- * To know the general rules of classification and tabulation
- * To perform graphical and diagrammatic representation of statistical data like bar diagram, pie, histogram and line diagram
- * To inculcate the knowledge to measure the Central tendency, like mean, median and mode
- * To understand the theory behind the descriptive statistics, like measures of central tendency, Measures of dispersion, Co- efficient of variation and Variance
- * To prepare students for future courses having quantitative components

Unit-I: Importance of Statistics (15 Hours)

Meaning, Functions and Limitations of Statistics - Statistics and Economics - Primary and Secondary data - Methods of collecting Primary Data - Drafting the Questionnaire – Pilot Survey - Pre-testing the Questionnaire - Sources of Secondary data - Precautions in the use of Secondary Data.

Unit-II: Sampling and Sampling Design (15 Hours)

Census and Sample Method – Merits and Demerits of Census and Sampling - Principles of Sampling - Essentials of Sampling - Methods of Selecting Sample - -Sampling and Non- Sampling Errors - Central Limit Theorem.

Unit-III: Classification, Tabulation and Diagrams (15 Hours)

Meaning and objectives of classification - Types of classification -- Parts of Table - General rules of Tabulation - Types of Tables - -Diagrammatic and Graphic representation - Types of Diagrams - Graphs of Frequency distribution - Histograms - Frequency Polygon - Ogives.

Unit-IV: Measures of Central Tendency (15 Hours)

Objectives of Averaging - Requisites of a Good Average - Arithmetic Mean - Weighted Mean - Median – Mode - Quartiles - Deciles - Percentiles -- Limitations of Averages.

Unit-V: Measures of Variation**(15 Hours)**

Meaning - Significance - Range - Quartile Deviation - Mean Deviation - Standard Deviation -Coefficient of Variation – Variance - Absolute Measures of Variation – Relative measures of variation - Lorenz Curve.

Text Book

1. Gupta S.P *Statistical Methods*. New Delhi: Sultan Chand, 2001.

Books for Reference

1. Gupta S.P. *Elementary Statistical Methods*. New Delhi: Vikas, New Delhi 2009.
2. Pillai,R.S.N.& Bagavathi. V, *Statistics Theory and Practice*, S.Chand , New Delhi, 2000.
3. Croxton,F.E., Cowden,D.J., and Klein.S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UEC330403	Title of the Paper Part-III: Statistics for Economics-I													Hours 6	Credits 5
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8			
CO1	3	3	4	3	2	4	2	2	3	3	4	3	4	3.08		
CO2	3	2	3	3	3	3	4	3	3	3	4	3	4	3.15		
CO3	4	3	3	2	4	5	3	5	4	3	4	2	1	3.31		
CO4	3	4	3	2	4	4	1	4	1	3	3	1	2	2.69		
CO5	3	4	4	4	3	3	2	1	2	4	4	4	3	3.15		
CO6	3	4	3	2	4	2	3	3	5	4	3	4	4	3.38		
CO7	4	3	4	3	2	1	4	4	3	2	4	4	4	3.23		
CO8	3	4	4	3	4	4	5	2	4	2	1	4	5	3.46		
Mean Overall Score															3.18	

Result: The Score for this Course is 3.18 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$		Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$	
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Semester III
17UFC340901

Hours/Week: 2
Credits: 2

ENVIRONMENTAL STUDIES

Course Outcome

1. To ensure understanding the significance of environment in which we live.
2. To ensure imparting knowledge on the recent issues associated with environment.
3. To ensure educating the youth the causes and consequences of various types of pollutions.
4. To ensure sensitizing the youth the increasing threats to nature and the misery mankind faces.
5. To ensure the limitations of the available natural resources and the need to sustain them.
6. To ensure imparting the knowledge on the concept of biodiversity and its advantages.

Unit-I: Environmental Studies

Environment - Scope and Importance - Environmental Movements in India - Eco-feminism - Public Awareness.

Unit-II: Natural Resources

Food Resources - L and Resources - Forest Resources - Mineral Resources - Water Resources - Energy Resources

Unit-III: Ecosystems, Biodiversity and Conservation

General structure - Functions of ecosystem - Energy flow and ecological pyramids - Biodiversity and conservation - Hot spots of Biodiversity - Endangered and Endemic Species - Value of Biodiversity - Threats to Biodiversity - Conservation of Biodiversity

Unit-IV: Environmental Pollution

Air pollution - Water pollution - Oil pollution - Soil pollution - Marine pollution - Noise pollution - Thermal pollution - Radiation pollution

Unit-V: Environment, Human Population & Social Issues

Human population growth - Urgent steps required for sustainable development - Conserving water - Current Environmental Issues

Text Book:

1. **Environmental studies**, Department of Foundation course, St. Joseph's College, Tiruchirappalli-2, 2015.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester III	Course Code 17UFC340901	Title of the Paper ENVIRONMENTAL STUDIES														Hours 2	Credits 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8				
CO1	5	5	5	5	3	5	4	4	4	5	3	4	3	4.0			
CO2	5	4	5	5	4	4	5	5	5	4	4	4	4	4.5			
CO3	5	4	5	5	3	5	4	4	5	3	3	4	2	4.0			
CO4	5	4	4	4	4	4	4	5	4	5	4	4	3	4.2			
CO5	5	5	4	5	4	3	5	5	4	4	5	3	4	4.3			
CO6	5	5	4	4	3	4	4	3	3	4	3	2	4	3.7			
Mean Overall Score														4.1			

Result: The Score for this Course is 4.1 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester IV
17UFC441004A

Hours/Week: 2
Credits: 2

FORMATION OF YOUTH-II

Course Outcome

1. To ensure preparing the students to live in harmony with nature.
2. To ensure the youth the significance of public health and the related issues.
3. To ensure sensitizing the youth about addictions and their consequences.
4. To ensure educating the youth on disaster management and First-Aid.
5. To ensure enlightening on the developmental issues and challenges of youth today.
6. To ensure the value of counselling for attaining positive mental health.

Unit-I: Harmony with Nature

What is environment, Why should we think of harmony, Longing for human well-being, Principles to conserve environmental resources, Causes of disharmony, The fruits of harmony with nature, Forest resources, Water resources, Mineral resources, Food resources, Fruits of disharmony, Economic values and growth, Environmental Ethics, Guidelines to live in harmony with nature, Towards life-centered system for better quality of life

Unit-II: Public Health

Health related issues, Health Care in India vs Developed Countries, Health and Heredity, Public Health - The Indian Scenario, Objectives of public health in India, Public Health System in India, Failure on the public health front, Role of the central government, Hospitals Services in India, Health and Abortion, Health and Drug Addiction, Drug abuse

Unit-III: Disaster Management and First-Aid

Disaster Management, Types of disaster, Plans of disaster management, Technology to manage natural disasters and catastrophes, Disaster Management, Rehabilitation and Reconstruction, Human-induced disaster, First Aid, The importance of First-aid, Disaster Declaration and Response

Unit-IV: Issues Dealing with Science

What is Science, Science and Religion, Social Relevance of Science and Technology, Science and technology for social justice, Difference caused by Science and Technology, Need for indigenous technology, Science,

Technology and Innovation Policy of India, Harnessing the forces of science and technology for the future

Unit-V: Counselling for the Adolescents

High Risk Behaviours, Developmental Changes in Adolescents, Key Issues of the Adolescents, Need for Counselling, Nature of Counselling, Counselling Goals, Does helping help? The Good and the Bad news.

Text Book:

1. **Formation of Youth**, Department of Foundation course, St. Joseph's College, Tiruchirappalli-2, 2016.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UFC441004A		Title of the Paper FORMATION OF YOUTH-II										Hours 2	Credits 2
	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
Course Outcomes (COs)														
CO1	4	4	5	4	5	5	3	4	5	5	4	5	4	4.4
CO2	4	4	4	4	4	5	4	3	4	4	4	5	5	4.2
CO3	5	3	5	4	5	4	4	3	4	4	4	5	5	4.2
CO4	3	4	5	4	4	5	4	4	4	4	4	3	4	4.0
CO5	2	4	4	4	5	5	4	4	5	5	5	4	5	4.3
CO6	4	3	4	4	5	3	4	5	5	4	5	5	4	4.2
Mean Overall Score														4.2

Result: The Score for this Course is 4.2 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semester IV
17UFC441004B**

**Hours/Week: 2
Credits: 2**

RELIGIOUS DOCTRINE-II

Course Outcome

1. To ensure appreciation of the harmony of religion.
2. To ensure training the youth in the power of prayer.
3. To ensure the understanding of Mary's role in salvation history and Marian Dogmas.
4. To ensure enlightening the graces and invisible effects of the sacraments.
5. To ensure the youth with the promise that God forgives failings on repentance.
6. To ensure understanding the concept of salvation and the promise of eternal life.

Unit: I Harmony of Religions

Introduction - Religions of India - Buddhism - Jainism - Sikhism - Judaism - Confucianism - Christianity - Zoroastrianism - Islam

Unit: II The Christian Prayer

Prayer Defined - Reasons to pray - The Way to Pray - Types of Prayer - Obstacles for Prayer - Prayer in Old -The Lord's Prayer

Unit: III Mary, the Blessed Virgin, Mother of God

Introduction - Marian Dogmas - Mary in need of Redemption - Mary in the New Testament - Apparitions of Mary - Devotion to Mary

Unit: IV Sacraments of Initiation

Introduction - An Overview - Baptism - Confirmation - Holy Eucharist

Unit: V Sacraments of Healing & at the Service of the Community

Reconciliation - Anointing of the Sick - Holy Orders – Matrimony

Text Book:

1. **Life in the Lord**, Department of Foundation course, St. Joseph's College, Tiruchirappalli-2, 2011.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UFC441004B	Title of the Paper RELIGIOUS DOCTRINE-II												Hours 2	Credits 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	4	1	4	3	3	4	4	4	5	4	5	5	5	3.9	
CO2	4	1	4	3	3	4	4	4	5	4	5	5	5	3.9	
CO3	4	3	4	4	3	4	4	5	4	4	5	5	5	4.2	
CO4	4	1	4	3	3	4	4	4	5	4	5	5	5	3.9	
CO5	4	1	4	3	3	4	4	4	5	4	4	4	5	3.8	
CO6	4	1	4	3	3	5	5	5	5	4	5	4	4	4.0	
Mean Overall Score														3.9	

Result: The Score for this Course is 3.9 (High Relationship)

Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs =	$\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs =	$\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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பருவம்: 4
17UGT410004

மணி நேரம்: 4
புள்ளிகள்: 3

பொதுத்தமிழ்-IV

பாடத்தின் விளைவு

- நாடகத்தின் போக்குகள், உத்திகள், பாத்திரப்படைப்பு, உரையாடல் முறை, கற்பனைத்திறம் போன்றவற்றை அறிந்துகொள்ளுதல்.
- புதிய நாடகங்களைப் படைக்கும் திறனைப் பெறுதல்.
- நாடகங்களை நடிக்கும் திறன் பெறுதல்
- கிரேக்க, ஆங்கில நாடகங்களை அடியொற்றி தமிழ்நாடகம் தோன்றிய வரலாறு அறியச் செய்தல்.
- சங்ககாலம் தொட்டு இக்காலம் வரை காதல் பற்றிய உணர்வுகளை எடுத்துரைத்தல்.
- தமிழ் வரலாற்றின் மன்னர்களின் ஆட்சியின் சிறப்புகளையும் வீழ்ச்சிகளையும் எடுத்துக்காட்டுதல்.

அலகு-1 (12 மணி நேரம்)
மனோன்மனியம், பாயிரம், அங்கம் - 1, களம் 1 - 5 வரை.

அலகு-2 (12 மணி நேரம்)
மனோன்மனியம், அங்கம் - 2, களம் 1 - 3 வரை.
இலக்கிய வரலாறு நான்காம் பாகம் - தமிழும் பிற துறைகளும் பக்கம் (365-387).

அலகு-3 (12 மணி நேரம்)
மனோன்மனியம், அங்கம் - 3, களம் 1 - 4 வரை.
உரைநடை நாடகம் (கௌதம புத்தர்)

அலகு-4 (12 மணி நேரம்)
மனோன்மனியம், அங்கம் - 4, களம் 1 - 5 வரை.
இலக்கிய வரலாறு நான்காம் பாகம் - சமயத்தவரின் தமிழ்ப்பணி (பக்கம் 391-402)

அலகு-5 (12 மணி நேரம்)
மனோன்மனியம், அங்கம் - 5, களம் 1 - 3 வரை.
இலக்கிய வரலாறு நான்காம் பாகம் - வெளிநாடுகள் தந்த தமிழ் இலக்கியம் (பக்கம் 410-435)

பாடநூல்கள் :

1. சுந்தரனார், மனோன்மனியம், தமிழாய்வுத்துறை (பதிப்பு), தூய வளனார் கல்லூரி, திருச்சிராப்பள்ளி-2. (அங்கம் : 3 களம் : 4 நீங்கலாக)
2. பாலசுப்பிரமணியம். கு.வெ, கௌதம புத்தர், அய்யா நிலையம், தஞ்சாவூர்
3. சமூகவியல் நோக்கில் தமிழிலக்கிய வரலாறு, தமிழாய்வுத்துறை வெளியீடு, 2014.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UGT410004	Title of the Paper செர்துத்தி-IV Programme Specific Outcomes (PSOs)										Hours 4	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	4	3	4	5	5	5	5	5	4	4	5	5	5
CO2	5	4	3	5	4	5	5	4	4	3	4	5	5
CO3	4	3	3	5	4	3	3	4	3	3	4	5	5
CO4	5	5	4	5	5	5	5	5	5	4	5	5	5
CO5	3	4	4	5	5	4	4	4	5	4	4	4	4
CO6	4	3	4	5	5	4	3	3	4	3	2	2	3
Mean Overall Score											4.1		

Result: The Score for this Course is 4.1 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scoring:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semestre: IV
17UGH410004**

**Hours/Week: 4
Credits: 3**

HINDI-IV

Course Outcomes

At the end of the course, a student should be able to demonstrate...

- * the ability to empower the students with globally employable soft skills
- * the ability to translate Hindi passages to English
- * the ideas on human values
- * the ability to instruct the moral values given by the Bhakthi Saints
- * the knowledge of Indian festivals .
- * the knowledge of culture and tradition

Unit-I 8 hours

Vidyarthi, Banking Shabda, Anuvad, Anuvad Lesson – 1, Adhikal, Premchand

Unit-II 12 hours

Pusthakalaya, Nemikaryalaya Tippiyaniyan, Anuvadak, Anuvad lesson-2, Bakthikal-Gyan Marg, Mahadevivarma

Unit-III 12 hours

Thyohar, Anuvad Ke Gun, Anuvad lesson – 3, Bakthi, Tippiyaniyan, Prem Marg, Pant

Unit-IV 14 hours

Yugpuresh Gandhi, Anuvadak Ke Gun, Anuvad Lesson – 4 Bakthikal, Bakthikal – Ram Bakthi Kal - Krishna Bakthi, Dinkar

Unit-V 14 hours

Braman, Anuvad ek kala, Swarnayug Bakthikal, Anuvad Lesson - 5, Reetikal, Chayavad

Books Recommended

1. Kendriya Sachivalaya, Hindi Parishad New Delhi, Karyalaya Sahayika, 2016.
2. Dakshin Bharat Hindi Prachar Sabha Chennai-17, Niband Radhana, Hindi, 2016.
3. DBHP Sabha, Chennai-17, Anuvad Abyas-3, Hindi, 2016
4. Rajnath Sharma, Hindi Sahitya ka Itihas, Vinkod Pustak Mandir, Agra-2, 2016.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UGH410004	Title of the Paper Hindi-IV				Hours 4	Credits 3							
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6			
	CO1	4	4	4	3	4	3	3	4	5	4		4	3.5
	CO2	3	3	2	3	3	3	5	3	4	3		3	3.1
	CO3	3	3	3	3	4	3	3	3	4	3		3	3.1
	CO4	3	2	2	3	2	3	3	3	3	3		3	2.7
	CO5	3	3	3	3	3	3	5	3	3	4		4	3.3
	CO6	4	4	4	4	3	5	3	5	4	4		3	3.9
Mean Overall Score												3.3		

Result: The Score for this Course is 3.3 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semestre: IV
17UGF410004**

**Heures/Semaine: 4
Credits : 3**

FRANÇAIS-IV

Course Outcomes

- * Comparer la culture de l'Inde et de la France
- * Familiariser l'étudiant avec le vocabulaire, la grammaire et les conversations
- * Connaître les auteurs français (20 auteurs) et leurs œuvres
- * Dire qu'on aime quelqu'un/ quelque chose
- * Demander des informations
- * Exprimer une opinion personnelle et Justifier son opinion.

Unit-I : Prières du Nouvel An (10 heures)

Exprimer l'inquiétude, le regret, le souhait, l'obligation, la sympathie.

Grammaire : Le subjonctif, verbe craindre

Unit-II : Retrouvailles (10 heures)

Marquer la surprise

Grammaire : Le subjonctif, pronoms possessifs.

Unit-III : C'est lui le meilleur ! (10 heures)

Dire qu'on aime quelqu'un/ quelque chose, donner son opinion, insister.

Grammaire : Le superlatif, les pronoms démonstratif.

Unit-IV Sauvons notre Terre ! (15 heures)

Enchaînement de cause et d'effet, demander à quelqu'un de tenir compte de quelque chose.

Grammaire : Le plus-que-parfait, il y a.

Unit-V : Le jour des élections s'approche et les auteurs français (20 auteurs) et leurs œuvres (15 heures)

Demander des informations, dire qu'une action n'est pas utile, exprimer une opinion personnelle, Justifier son opinion.

Grammaire : Le participe présent – le gérondif, la voix passive.

Manuel:

1. K.Madanagobalane, **Synchronie-II**, Samhitâ Publication, 2011.

Livre de référence:

1. Annie Berthet /B atrix Sampsonis/ Catherine Hugot /V_ronnique M Kizirian / Monique Waendendries, **Alter Ego A1**, Hachette, 2006.
2. Yves Loiseau/R_gineM_rieux, Connexions 1, Didier, 2011.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UGF410004	Title of the Paper French-IV										Hours 4	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6		
CO1	4	4	2	3	4	4	2	3	2	2	3	3.0	
CO2	3	3	3	3	4	4	2	4	3	2	3	3.1	
CO3	3	2	3	2	4	3	4	3	3	3	4	3.1	
CO4	3	3	4	3	4	1	2	2	4	3	3	2.9	
CO5	3	3	4	3	4	3	2	2	4	4	5	3.4	
CO6	3	4	3	3	3	4	4	2	4	3	4	3.4	
Mean Overall Score												3.2	

Result: The Score for this Course is 3.2 (High Relationship)

Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester: IV
17UGS410004

Hours/Week: 4
Credits : 3

SANSKRIT-IV

Course Outcomes

At the end of the course, a student should be able to demonstrate...

- * knowledge and understanding of the history of Sanskrit Drama.
- * knowledge and understanding of the Nataka vivaranam.
- * the introduction of Functional - Sanskrit conversation Letter writing.
- * the ability to apply relevant theoretical perspectives to topics within the field of study
- * the competence in academic writing and oral presentation skills.
- * the ability to work both independently and in groups on presentations and/or development of Projects.

Unit-I **8 hours**

Paataah – Asta, Nava Dasha, Sankhya prayogah.

Unit-II **12 hours**

Lot lakaarah. Prqayaogah. Kartari Vaakyaani

Unit-III **12 hours**

Naatakasya Itihaasah.

Unit-IV **14 hours**

Karnabhaaram. Naatakam.

Unit-V **14 hours**

Kathaapaatra Vailaksharnyam.

Books recommended:

1. R.S.Vadhyar & Sons, Book-Sellers and Publishers, Kalpathi, Palghat 678003, Kerala, South India, History of Sanskrit Literature, 2014.
2. Samskritha Bharathi, Aksharam 8th Cross, 2nd Phase, Giri Nagar, Bangalore. Vadatu Sanskritam – Samskara Binduhu, 2014.
3. R.S. Vadhyar & Sons, Book-Sellers and Publishers, Kalpathi, Palghat 678003, Kerala, South India. Karnabharam, 2014.
4. Kulapathy, K.M., Saral Sanskrit Balabodh, Bharathiya vidya Bhavan, Munshimarg, Mumbai 400007, 2014.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UGS410004	Title of the Paper Sanskrit-IV				Hours 4	Credits 3					
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	Mean Score of COs
CO1	5	3	5	4	4	3	3	3	3	3	4	3.1
CO2	4	3	4	4	4	3	3	4	3	4	3	3.1
CO3	4	3	3	4	4	3	4	4	4	4	4	3.2
CO4	4	3	3	4	3	3	3	4	4	4	4	3.1
CO5	4	4	4	3	4	3	4	3	4	4	4	3.0
CO6	5	4	4	4	4	3	3	3	3	3	4	3.2
Mean Overall Score												3.1

Result: The Score for this Course is 3.1 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester: IV
17UGE420104

Hours/Week: 5
Credits: 3

GENERAL ENGLISH-IV

Course Outcome

- * Comprehend the local and global issues through the lessons
- * Do the tasks centering on skill development and enhance their Grammar Using and Writing Skills
- * Use interactive skills
- * Train and develop the Listening and Reading Skills of the learners through teacher-led reading practice
- * Improve their General Writing Skills such as Note-Taking, Note-Making, Précis Writing, Paragraph Writing, and Writing Short Essays on Current Issues/General Topics
- * Understanding the social background and human character of the period

Unit-VII:

***Women through the Eyes of Media**

- 7.0 Introduction
- 7.1 Objectives
- 7.2 Listening and Reading Skills through Teacher-led Reading Practice
- 7.3 Glossary
 - 7.3.1 Words
 - 7.3.2 Phrases
- 7.4 Reading Comprehension
- 7.5 Critical Analysis
- 7.6 Creative Task
- 7.7 General Writing Skill: Writing Minutes of a Meeting
- 7.8 Grammar: Present Perfect Tense
- 7.9 **Non -Detailed Poem:** Thomas Hood (1799–1845): “Silence”

Unit-VIII:

***Effects of Tobacco Smoking**

- 8.0 Introduction
- 8.1 Objectives
- 8.2 Listening and Reading Skills through Teacher-led Reading Practice
- 8.3 Glossary
 - 8.3.1 Words
 - 8.3.2 Phrases

- 8.4 Reading Comprehension
- 8.5 Critical Analysis
- 8.6 Creative Task
- 8.7 General Writing Skill: Note-Taking
- 8.8 Grammar: Present Perfect Continuous Tense
- 8.9 **Non -Detailed Poem:** Coventry Patmore (1823-1896): “The Toys”

Unit-IX:

* Short Message Service (SMS)

- 9.0 Introduction
- 9.1 Objectives
- 9.2 Listening and Reading Skills through Teacher-led Reading Practice
- 9.3 Glossary
- 9.3.1 Words
- 9.3.2 Phrases
- 9.4 Reading Comprehension
- 9.5 Critical Analysis
- 9.6 Creative Task
- 9.7 General Writing Skill: Note-Making
- 9.8 Grammar: Past Perfect Tense
- 9.9 **Non -Detailed Poem:** Stephen Spender (1909-1995): “Daybreak”

Unit-X:

*An Engineer Kills Self as Crow Sat on his Head: A News Paper Report

- 10.0 Introduction
- 10.1 Objectives
- 10.2 Listening and Reading Skills through Teacher-led Reading Practice
- 10.3 Glossary
- 10.3.1 Words
- 10.3.2 Phrases
- 10.4 Reading Comprehension
- 10.5 Critical Analysis
- 10.6 Creative Task
- 10.7 General Writing Skill: Précis Writing
- 10.8 Grammar: Past Perfect Continuous Tense
- 10.9 **Non -Detailed Poem:** Gabriel Imomotimi Okara (1921): “Once Upon a Time”

Unit-XI:

*Traffic Rules

- 11.0 Introduction
- 11.1 Objectives
- 11.2 Listening and Reading Skills through Teacher-led Reading Practice
- 11.3 Glossary
- 11.3.1 Words
- 11.3.2 Phrases
- 11.4 Reading Comprehension
- 11.5 Critical Analysis
- 11.6 Creative Task
- 11.7 General Writing Skill: Paragraph Writing
- 11.8 Grammar: Future Perfect Tense
- 11.9 **Non -Detailed Poem:** Robert Winner (1930-1986): “Opportunity”

Unit-XII:

*A Handful of Answers: A Zen Tale

- 12.0 Introduction
- 12.1 Objectives
- 12.2 Listening and Reading Skills through Teacher-led Reading Practice
- 12.3 Glossary
- 12.3.1 Words
- 12.3.2 Phrases
- 12.4 Reading Comprehension
- 12.5 Critical Analysis
- 12.6 Creative Task
- 12.7 General Writing Skill: Writing Short Essays on Current Issues/General Topics
- 12.8 Grammar: Future Perfect Continuous Tense
- 12.9 **Non -Detailed Poem:** Ted Hughes (1930–1998): “The Harvest Moon”

Textbook

1. Jayraj, S. Joseph Arul et al. *Trend-Setter: An Interactive General English Textbook for Under Graduate Students*. New Delhi: Trinity, 2016. Print.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UGE420104	Title of the Paper General English-IV										Hours 5	Credits 3		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	5	4	5	5	4	4	4	5	5	5	4	5	5	4.61	
CO2	5	4	5	5	3	4	5	5	5	5	5	5	5	4.69	
CO3	4	4	5	4	4	3	4	4	5	5	4	4	5	4.23	
CO4	4	4	5	4	4	3	4	5	5	5	4	4	5	4.30	
CO5	5	4	5	4	4	4	4	4	5	5	4	4	5	4.38	
CO6	5	5	5	5	4	4	4	5	5	5	4	4	5	4.61	
Mean Overall Score															4.47

Result: The Score for this Course is 4.47 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semester IV
17UEC430207**

**L P C
5 - 4**

MACRO ECONOMICS-II

Course Outcome

- * To know the macro economics goals of the country
- * To understand the types of planning model in a mixed economy
- * To study Joan Robinson model and its applicability to developing countries like India
- * To find out the different strategies of development
- * To understand the strategies of Balanced and unbalanced growth
- * To know the types of Foreign Capital and MNCs in India

Unit-I: Macro Economic Goals (15 Hours)

Macro Economic Policy – Macro economic goals - Economic Planning - Need for Planning - Planning Models and Planning in a Mixed Economy.

Unit-II: Joan Robinson's Model of Capital Accumulation (15 Hours)

Robinson Model - A critical appraisal - Its applicability to developing countries - Golden Rule of Accumulation.

Unit-III: Development Strategy (15 Hours)

Underdevelopment and Development - Development Strategy of an economy - Nurkse's theory of Disguised Unemployment as a Saving Potential - Lewis Theory of Unlimited Supplies of Labour.

Unit-IV: Doctrine of Balanced Growth (15 Hours)

Strategies of Balanced and Unbalanced Growth: Growth Models - Harrod and Domar Models - Mahalanobis heavy industry Model - Strategy for development – Two-Sector Model - Wage Goods Model of Development.

Unit-V: Foreign Capital and Aid in Economic Development (15 Hours)

Types of foreign capital – Multinational Corporation and technology transfer - Factors determining Foreign Aid for Economic Development - Two Gap Model and Cost Benefits of foreign Aid – Foreign Direct Investment – Foreign Portfolio Investment.

Textbook

1. Jhingan M. L., *The Economics of Development and Planning*, 14th Revised edition, 2011, ISBN 81-87125-62-4, Vrinda Publication (P) Ltd, New Delhi.

- Edward Shapiro, Macro Economic Analysis, Galgotia, 12th edition , 2012, New Delhi.

Books for Reference

- Agrawal R.C, Economics of Development and Planning, 5th Revised Edition 2011, Lakshmi Narain Agarwal, Agra.
- Seth, M.L, Macro Economics, 28th Revised Edition 2010-11, Navrang offset printers, Agra.
- Ackley,G, Macro Economic Theory and Policy , Macmillan- New York 1973.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UEC430207		Title of the Paper Part-III: Macro Economics-II										Hours 5	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	3	3	4	3	2	4	4	3	5	5	2	2	4	3.38
CO2	3	2	3	1	3	4	4	3	4	4	4	3	5	3.31
CO3	4	3	3	2	1	4	4	5	3	3	4	4	5	3.46
CO4	3	4	3	2	4	3	4	3	4	5	3	3	4	3.46
CO5	2	1	2	1	1	3	4	5	3	3	3	3	3	2.62
CO6	3	4	3	2	4	4	4	5	4	3	3	4	4	3.62
Mean Overall Score														3.31

Result: The Score for this Course is 3.3 (High Relationship)

Note:

Mapping Scale	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester IV
17UEC430208

L P C
4 - 3

LABOURECONOMICS

Course Outcome

- * To understand the term labour and what labour economics is about.
- * To learn the method of related theories to fix wages.
- * To learn about labour organizations both in India and abroad.
- * To understand the need of social security schemes for labour.
- * To compare labour productivity and wages.
- * To understand exclusive labour issues in India.

Unit-I: Basic Concepts and Labour Market (10 hours)

Meaning and concept of labour - Definition, nature, scope and importance of Labour Economics – Labour Market Segmentation - Labour Market Policies - Labour in the unorganized sector - Sengupta Report – Mobility of labour - Child Labour – Women Labour.

Unit-II: Wage Determination (10 hours)

Wage concepts – Determination - Minimum wage, fair wage and living wage - Productivity and wage relationship – Types of wages in India – Differential Wage Rates - Need for State Regulation of wages - National Wage Policy and Wage Boards in India.

Unit-III: Trade Unionism, Industrial Dispute and Labour Legislation (20 hours)

Meaning and objectives of Trade Union - Trade Union Movement in India- Problems and draw backs - Measures to strengthen the Trade Union Movement - Industrial disputes: meaning - causes and effects of industrial disputes - Prevention of industrial disputes - Collective Bargaining - Labour Legislation in India.

Unit-IV: Social Security Measures of Labour (10 hours)

Meaning and need for Social Security Measures - Social Assistance and Social Insurance - Social Security Legislations in India: Workmen's Compensation Act-1923, Employees' State Insurance Scheme Act-1948, Maternity Benefits Act-1961 and the Provident Fund Act-1952 - Labour Welfare Funds - Unemployment Insurance- Social security of the unorganised sector workers.

Unit-V: Issue of Labour in India (10 hours)

Industrial labour: meaning and characteristics of Industrial Labour in India

- Contract labour, -LPG and its impact on Labour - Agricultural Labour: meaning and characteristics - casual labour, attached labour and bonded labour – problems of agricultural labour in India - Government measures to improve the conditions of agricultural labour.

Textbooks

1. Thyagi B.P, *Labour Economics and Social Welfare*, Jai Prakash Nath & Co., Meerut, 1986.
2. Sharma A.K. - *Labour Economics*, Anmol Publications, New Delhi, 2006.

Books for Reference

1. Hajela, P.D, *Labour Restructuring in India: A Critique of the New Economic Policies* Common wealth Publishers, New Delhi, 1988.
2. Venkata Ratnam, C.S., *Globalization and Labour Management Relations Dynamics of change*, Sage, New Delhi, 2001.
3. Memoria, C.B., *Labour Problems and Social Welfare in India*, Allahabad, Kitab Mahae, 1996.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UEC430208	Title of the Paper Part-III: Labour Economics										Hours 4	Credits 4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	4	2	4	2	1	4	3	4	3	2	4	3	4	3.08
CO2	2	2	3	3	4	3	4	5	4	5	3	4	3	3.46
CO3	4	3	3	4	4	4	5	4	5	4	4	5	5	4.15
CO4	4	3	3	4	4	5	3	3	2	3	5	4	3	3.54
CO5	3	2	3	3	4	2	4	2	3	3	4	5	4	3.23
CO6	2	4	3	1	3	3	5	4	4	3	3	2	2	3.00
Mean Overall Score														3.41

Result: The Score for this Course is 3.4 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester IV
17UEC430301A

L P C
4 - 4

Core Elective-1 (Within the Department)
TAMILNADUECONOMY

Course Outcome

- * It enhances the students to get the knowledge about Tamil Nadu's administrative, political set up and available sources in it.
- * It helps his knowledge to competitive examination skills.
- * It enhance the students' critical thinking on Tamil Nadu economy on different aspects.
- * The students get the knowledge of policy analysis regard to Tamil Nadu economy
- * The students get ability to compare Tamil Nadu infrastructure with rest of states and Country.
- * The students get to know about strengths and weaknesses of Tamil Nadu's agricultural pattern and marketing.

Unit-I: Basic Characteristics of Tamil Nadu (12 Hours)

Resource endowment - -Land, Minerals, Forests and Monsoon – Regional differences in Resource Endowment —Population – Growth – Demographic Trends – Human Development India Index – Gender Development Index.

Unit-II: Performance of Tamil Nadu Economy (12 Hours)

Trends in State income - Structural growth before and after reforms -- Dynamism of the economy - State Planning Commission - Targets and Achievements - Financing of plans: Revenue, expenditure, debt – Current year Budget.

Unit-III: Agricultural Sector (12 Hours)

Land use pattern - Sources of irrigation - Cropping pattern - Productivity and yield of major crops - Agricultural marketing - Regulated Markets - -Uzhavar Sandhai – Agricultural finance – Livestock.

Unit-IV: Industrial Sector (12 Hours)

Trends and patterns in industrial growth - Large scale and small-scale industries - Industrial Estate – KVIC and DIC -- Labour Welfare measures.

Unit-V: Infrastructure (12 Hours)

Transport: road, rail, air and sea - Energy generation: Hydro, thermal and nuclear power systems - Banking – Housing - Social Welfare - Programmes of the State Government - Education and health –Integrated Child

Development Scheme (ICDS) - Unemployment – Anti-poverty strategies – PDS - Women Development.

Textbook

1. Leonard, A.G., *TamilNadu Economy*, Macmillan, New Delhi, 2006.
2. Manickam, S., *Economic Development of TamilNadu in Perspective*, 2007.

Books for Reference

1. MIDS, *Tamil Nadu Economy - Performance and Issues*.
2. Rajalakshmi, *Tamil Nadu Economy*, Business Publishers, 1999.
3. Perumalsamy.S, *Economic Development of Tamil Nadu*, S. Chand, New Delhi, 1995.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UEC430301A	Title of the Paper Part-III: Tamil Nadu Economy												Hours 4	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	3	4	3	2	4	4	3	5	3	3	4	3	3.38	
CO2	3	2	3	3	3	3	4	4	4	3	4	4	4	3.38	
CO3	4	3	3	4	3	5	4	2	4	4	3	4	3	3.54	
CO4	3	4	3	2	4	4	4	2	3	4	3	5	4	3.46	
CO5	2	4	2	4	5	3	1	3	4	4	2	4	5	3.31	
CO6	3	4	3	2	4	4	2	3	3	3	3	4	3	3.15	
Mean Overall Score														3.37	

Result: The Score for this Course is 3.37 (High Relationship)

Note:

Mapping Scale	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester IV
17UEC430301B

L	P	C
4	-	4

Core Elective-1 (Within School)
TOURISMANAGEMENT

Course Outcome

- * To study the economic impacts of tourism development.
- * To study the status of tourism in global, national and state level.
- * To know the tourism programmes in the national and state.
- * To understand the tourism products.
- * To get an idea of tourism marketing.
- * To understand the impact of tourism industry in present scenario.

Unit-I: Basic Concepts of Tourism (12 Hours)

Meaning, Definition, Concepts and Types of Tourism - Tourism and economic development - Importance of tourism – Sustainable Tourism.

Unit-II: Tourism Status (12 Hours)

Tourism status in global and national - Impact of tourism development in India - Tourism Development Corporation in India - Programmes in Tourism Development - Infrastructure Development Programme - Integrated Development of Tourism Circuits, Product infrastructure and Destination Development - Assistance for Large Revenue Generating Projects.

Unit-III: Tourism Product and Tourism Marketing (12 Hours)

Tourism product - Attractions, Availability, Accessibility and Amenities - Tourism Marketing - various types of tourism marketing in India - Impact of Information Technology in tourism management.

Unit-IV: Tourism Services (12 Hours)

Hotels – Motels – Resorts - Boating Clubs – Conducted /Organized Tours – Package Tour – Insurance – Guides – Tour Operators - Tour Promoters – Medical Tourism- Medical Tourism in India.

Unit-V: Growth of Tourism (12 Hours)

Growth of tourism in India - Problems faced by tourism industry - National Tourism Policy of India - Fund allocation for tourism in India – TN Tourism Development Corporation.

Textbook

1. Nirmal Kumar. S, *Problems of Tourism in India-Tourism and Economic Development*, APH, New Delhi 1996.

Books for Reference

1. Biswanath Ghosh, *Tourism and Travel Management*, Vikas, New Delhi, 1998.
2. Arun Kumar Shankar, *Action Plan and Priorities in tourism development*, Kaniskha, New Delhi, 1998.
3. Vinukumar. S and Chandrasekhar,K.S, *Sustainable Development and Tourism*, 2004.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UEC430401B	Title of the Paper Part-III: Tourism Management												Hours 4	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	3	4	3	2	4	4	3	5	3	3	4	2	3.31	
CO2	3	2	3	1	3	5	4	4	4	4	4	3	3	3.31	
CO3	4	3	3	2	1	3	4	5	4	3	5	5	5	3.62	
CO4	3	4	3	2	4	3	4	5	3	3	4	4	3	3.46	
CO5	2	4	2	3	3	3	4	4	3	4	2	5	3	3.23	
CO6	3	4	3	2	4	4	3	3	4	2	3	3	4	3.23	
Mean Overall Score														3.36	

Result: The Score for this Course is 3.3 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester IV
17UEC430404

L P C
6 - 5

Allied:

STATISTICS FOR ECONOMICS-II

Course Outcome

- * To introduce various statistical tools to foster a research attitude in the students of Economics
- * To enable the students to compute various methods of correlation
- * To know the differences between correlation and regression.
- * To compute and interpret simple linear regression between two variables.
- * To understand the theory of probability and its applications
- * To use basic counting techniques (addition rule and multiplication rule,) to compute probability.
- * To give knowledge about various measurement of trend like semi average, moving average and least square.
- * To construct different types of index numbers and the importance of index numbers in Indian Economy.

Unit-I: Correlation Analysis (15 Hours)

Meaning - Significance of the Study of Correlation - Correlation and Causation - Types of Correlation: Positive, Negative, Partial, Multiple, Linear and Non-Linear - Methods of Studying Correlation: Scatter Diagram Method, Graphic Method, Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation.

Unit-II: Regression Analysis (15 Hours)

Meaning - Difference between Correlation and Regression -- Regression Lines - Regression Equations of X on Y and Y on X Only - -Regression Coefficients.

Unit-III: Probability (15 Hours)

Meaning and concepts – Calculation of Probability - Theorems of Probability: Addition Theorem and Multiplication Theorem - Simple Problems.

Unit-IV: Analysis of Time Series (15 Hours)

Utility of Time Series Analysis - Components of Time series - Measurement of Trend: Graphic Method- Semi-Average Method - Moving Average Method - Least Square Method.

Unit-V: Index Numbers (15 Hours)

Meaning - Uses – Classification – Types - Cost of Living Index (CPI) -

Problems in construction - Paasche, Laspeyres, and Fishers Ideal Index numbers – Adequacy Test.

Textbook

1. Gupta S.P, *Statistical Methods*, Sultan Chand, New Delhi, 2001

Books for Reference

1. Gupta S.P, *Elementary Statistical Methods*, Vikas Publishing House, New Delhi, 2009.
2. Pillai, R.S.N. & Bagavathi.V, *Statistics Theory and practice*, S.Chand, New Delhi, 2000.
3. Croxton, F.E., Cowden, D.J., and Klein, S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UEC430404	Title of the Paper Part-III: Statistics for Economics-II												Hours 6	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	3	4	3	2	4	3	4	3	4	4	4	4	3.46	
CO2	3	2	3	4	3	3	3	4	3	4	3	4	4	3.31	
CO3	4	3	3	2	2	4	3	3	2	5	4	5	3	3.31	
CO4	4	4	3	2	4	4	2	4	3	3	3	3	2	3.15	
CO5	2	4	3	4	3	4	3	2	4	2	3	4	3	3.15	
CO6	3	4	3	2	4	4	2	3	5	3	3	3	4	3.31	
CO7	2	4	3	4	3	4	3	2	4	2	3	4	3	3.15	
CO8	3	4	3	2	4	4	2	3	5	3	3	3	4	3.31	
Mean Overall Score														3.26	

Result: The Score for this Course is 3.26 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$		Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$	
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Semester IV
17UFC441004A

Hours/Week: 2
Credits: 2

FORMATION OF YOUTH-II

Course Outcome

1. To ensure preparing the students to live in harmony with nature.
2. To ensure the youth the significance of public health and the related issues.
3. To ensure sensitizing the youth about addictions and their consequences.
4. To ensure educating the youth on disaster management and First-Aid.
5. To ensure enlightening on the developmental issues and challenges of youth today.
6. To ensure the value of counselling for attaining positive mental health.

Unit-I: Harmony with Nature

What is environment, Why should we think of harmony, Longing for human well-being, Principles to conserve environmental resources, Causes of disharmony, The fruits of harmony with nature, Forest resources, Water resources, Mineral resources, Food resources, Fruits of disharmony, Economic values and growth, Environmental Ethics, Guidelines to live in harmony with nature, Towards life-centered system for better quality of life

Unit-II: Public Health

Health related issues, Health Care in India vs Developed Countries, Health and Heredity, Public Health - The Indian Scenario, Objectives of public health in India, Public Health System in India, Failure on the public health front, Role of the central government, Hospitals Services in India, Health and Abortion, Health and Drug Addiction, Drug abuse

Unit-III: Disaster Management and First-Aid

Disaster Management, Types of disaster, Plans of disaster management, Technology to manage natural disasters and catastrophes, Disaster Management, Rehabilitation and Reconstruction, Human-induced disaster, First Aid, The importance of First-aid, Disaster Declaration and Response

Unit-IV: Issues Dealing with Science

What is Science, Science and Religion, Social Relevance of Science and Technology, Science and technology for social justice, Difference caused by Science and Technology, Need for indigenous technology, Science,

Technology and Innovation Policy of India, Harnessing the forces of science and technology for the future

Unit-V: Counselling for the Adolescents

High Risk Behaviours, Developmental Changes in Adolescents, Key Issues of the Adolescents, Need for Counselling, Nature of Counselling, Counselling Goals, Does helping help? The Good and the Bad news.

Text Book:

1. **Formation of Youth**, Department of Foundation course, St. Joseph's College, Tiruchirappalli-2, 2016.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UFC441004A	Title of the Paper FORMATION OF YOUTH-II														Hours 2	Credits 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8				
CO1	4	4	5	4	5	5	3	4	5	5	4	5	4	4.4			
CO2	4	4	4	4	4	5	4	3	4	4	4	5	5	4.2			
CO3	5	3	5	4	5	4	4	3	4	4	4	5	5	4.2			
CO4	3	4	5	4	4	5	4	4	4	4	4	3	4	4.0			
CO5	2	4	4	4	5	5	4	4	5	5	5	4	5	4.3			
CO6	4	3	4	4	5	3	4	5	5	4	5	5	4	4.2			
Mean Overall Score														4.2			

Result: The Score for this Course is 4.2 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester IV
17UFC441004B

Hours/Week: 2
Credits: 2

RELIGIOUS DOCTRINE-II

Course Outcome

1. To ensure appreciation of the harmony of religion.
2. To ensure training the youth in the power of prayer.
3. To ensure the understanding of Mary's role in salvation history and Marian Dogmas.
4. To ensure enlightening the graces and invisible effects of the sacraments.
5. To ensure the youth with the promise that God forgives failings on repentance.
6. To ensure understanding the concept of salvation and the promise of eternal life.

Unit: I Harmony of Religions

Introduction - Religions of India - Buddhism - Jainism - Sikhism - Judaism - Confucianism - Christianity - Zoroastrianism - Islam

Unit: II The Christian Prayer

Prayer Defined - Reasons to pray - The Way to Pray - Types of Prayer - Obstacles for Prayer - Prayer in Old -The Lord's Prayer

Unit: III Mary, the Blessed Virgin, Mother of God

Introduction - Marian Dogmas - Mary in need of Redemption - Mary in the New Testament - Apparitions of Mary - Devotion to Mary

Unit: IV Sacraments of Initiation

Introduction - An Overview - Baptism - Confirmation - Holy Eucharist

Unit: V Sacraments of Healing & at the Service of the Community

Reconciliation - Anointing of the Sick - Holy Orders – Matrimony

Text Book:

1. **Life in the Lord**, Department of Foundation course, St. Joseph's College, Tiruchirappalli-2, 2011.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester IV	Course Code 17UFC441004B	Title of the Paper RELIGIOUS DOCTRINE-II														Hours 2	Credits 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8				
CO1	4	1	4	3	3	4	4	4	5	4	5	5	5	3.9			
CO2	4	1	4	3	3	4	4	4	5	4	5	5	5	3.9			
CO3	4	3	4	4	3	4	4	5	4	4	5	5	5	4.2			
CO4	4	1	4	3	3	4	4	4	5	4	5	5	5	3.9			
CO5	4	1	4	3	3	4	4	4	5	4	4	4	5	3.8			
CO6	4	1	4	3	3	5	5	5	5	4	5	4	4	4.0			
Mean Overall Score															3.9		

Result: The Score for this Course is 3.9 (High Relationship)

Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester V
17UEC530209

L P C
6 - 4

HISTORY OF ECONOMIC THOUGHT -I

Course Outcome

- * Gain knowledge of the origin and development of economic ideas
- * Understand the differences in the main focus of economic ideas
- * Understand the influence of socio-political reality in shaping the economic ideas
- * Understand the life and commitment of the economists
- * Gain confidence in evaluating economic ideas
- * Understand the government policies from the perspectives of different economic ideas

Unit-I: Early Economic Thought (18 Hours)

Economic ideas of the Hebrews - Economic ideas of Greco-Romans: Plato and Aristotle - Medieval Economic Thought of St.Thomas Aquinas.

Unit-II: Mercantilism and Physiocracy (18 Hours)

Mercantilism: main characteristics - Thomas Munn – Physiocracy: main characteristics and Economic ideas of Francois Quesnay, Ann-Robert-Jacques Turgot, William Petty, John Locke and David Hume.

Unit-III: Classical Economic Thought (18 Hours)

Economic ideas of Adam Smith: division of labour, theory of value, capital accumulation, distribution, views on trade, economic progress - David Ricardo: value, theory of rent, distribution, ideas of economic development and international trade - Thomas R.Malthus: Theory of population, Theory of gluts- Economic ideas of Say and Mill.

Unit-IV: Development of Socialistic Ideas (18 Hours)

Economic ideas of St. Simon, Simonde de Sismondi, Robert Owen and Marx: Dynamics of social change, Theory of value, Surplus value and crisis of capitalism.

Unit-V: Historical School (18 Hours)

The Older Historical School: Wilhelm Roscher, Bruno Hildebrand, Karl Kries - The Newer Historical School : Schmoller.

Textbook

- Loganathan,V., *A History of Economic Thought* - S. Chand, New Delhi, 1987.
- Schumpeter, J.A., *A History of Economic Analysis*, OUP, New York, 1954.

Books for Reference

1. Blackhouse, R., *A History of Modern Economic Analysis*, Basil Blackwell, Oxford 1985.
2. Ganguli. B.N., *Indian Economic Thought: A 19th Century Perspective*, Tata McGraw Hill, New Delhi, 1977.
3. Gide C and Rist G, *A History of Economic Doctrines*, George Harrop, London, 1956.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester V	Course Code 17UEC530209	Title of the Paper Part-III: History of Economic Thought-I												Hours 6	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	3	3	4	3	2	4	2	4	4	3	3	3	2	3.08	
CO2	3	2	3	2	3	4	4	5	3	3	3	3	4	3.23	
CO3	4	3	3	2	3	3	3	4	2	2	3	4	3	3.00	
CO4	3	4	3	2	4	4	4	3	4	3	3	4	4	3.46	
CO5	4	3	4	3	2	5	3	5	4	4	4	4	4	3.77	
CO6	3	4	4	3	4	4	4	5	4	5	4	5	4	4.08	
Mean Overall Score														3.44	

Result: The Score for this Course is 3.44 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester V
17UEC530210

L P C
6 - 3

MONEY AND BANKING

Course Outcome

- * The students understand the evolution of monetary system.
- * The students understand the barter system and difficulties in it.
- * The course makes them to understand money and capital market system.
- * The course gives them guidance about operations of banking system in different channels.
- * They get the idea about inflation and its role in economy in different aspects.
- * Get the knowledge on Reserve bank of India and its role and functions.

Unit-I: Money: Theory and Approaches (18 Hours)

Money: Meaning, functions and classification - Gresham's Law - Value of Money - Measurement by using Index Numbers - Quantity theory of money - Cash Transactions and Cash Balance Approaches – Milton Friedman's Restatement of Quantity Theory - The Keynesian approach.

Unit-II: Inflation and Trade Cycle (18 Hours)

Definition, Types, Causes and Effects of Inflation on different sectors of the Economy - Types of Inflation: Demand-pull and Cost push Inflation - Measures to control inflation - Trade-off between inflation and unemployment - Trade cycle: structure, causes, effects, control of trade cycle - Theories of Trade cycle: Hawtrey, Von-Hayek and Hicks.

Unit-III: Commercial Banking (18 Hours)

Meaning and types - Functions of Commercial banks - Process of credit creation - Purpose and limitations - Liabilities and assets of banks - Commercial banking in India – Nationalization - Recent reforms in banking sector in India.

Unit-IV: Central Banking (18 Hours)

Functions of Central Bank - Quantitative and qualitative methods of credit control - Bank rate policy, Open market operations, Cash reserve ratio and selective methods - Role and functions of the Reserve Bank of India

Unit-V: Money and Capital Markets and Monetary Policy (18 Hours)

Structure and importance of Money Market: London and New York Money Markets - Indian Money market - Indian Capital Market- Monetary Policy -

Theories - Classical, Keynesian- objectives - Limitations of Monetary Policy with reference to India.

Textbook

1. Sundaram K.P.M, *Money Banking and International Trade*, 1990.

Books for Reference

1. Gupta, S. B., *Monetary Economics*, S. Chand & Company, New Delhi, 1994.
2. Mishra, S. S., *Money, Inflation and Economic Growth*, Oxford & IBH, New Delhi, 1981.
3. Sayers, R. S., *Modern Banking*, OUP, New Delhi, Seventh Edition, 1978.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester V	Course Code 17UEC530210	Title of the Paper Part-III: Money and Banking										Hours 6	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	3	3	4	3	2	3	4	3	2	3	4	4	3
CO2	3	2	3	1	3	4	4	3	3	4	3	4	4
CO3	4	3	3	2	1	3	4	3	5	3	5	4	3
CO4	3	4	3	2	4	4	4	3	4	2	4	4	3
CO5	2	3	2	1	4	5	3	5	2	4	3	4	3
CO6	3	4	3	2	4	3	4	4	4	5	2	2	3
Mean Overall Score											3.24		

Result: The Score for this Course is 3.24 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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**Semester V
17UEC530211**

**L P C
5 - 3**

RESEARCH METHODS IN ECONOMICS

Course Outcome

- * To define research, explain and apply research terms in Economics
- * To propose a research study and justify the theory as well as the methodological decisions, including sampling and measurement
- * To be able to develop literature review and research methodology based on the selected topic.
- * To know the sample design and to develop the skills for sampling and sampling techniques used to collect survey data
- * To understand the procedure for testing of hypotheses
- * To know the significance of Report writing and mechanics of thesis writing

Unit-I: Fundamental Concepts of Research (18 Hours)

Meaning, objectives, purpose and criteria of Research - Types of research: pure, applied, historical, analytical, descriptive and experimental - Process of research - Scientific method - Case study method - Problems encountered by researchers.

Unit-II: Research Planning (18 Hours)

Research problem - Identification, selection and formulation of research problem - Review of literature: Published Sources - On-line Sources - Research Gap.

Unit-III: Sampling Design (18 Hours)

Different research designs - Factors affecting research design - Sampling design - Types of sampling - Factors affecting the size of the sample - Methods of data collection - Primary and secondary methods.

Unit-IV: Hypothesis (18 Hours)

Research Hypothesis: Meaning, sources, formulation, concepts, importance and types of hypothesis – Statistical Hypothesis: Null and Alternative - Procedure for testing hypothesis -Type-I and Type-II errors – Concept of Standard Error.

Unit-V: Analysis, Interpretation and Report Writing (18 Hours)

Process of data analysis - Editing, coding, tabulation, diagrams - process of interpretation -Scaling techniques - Report writing - -Significance of report writing - Different steps in writing the report - Mechanics of writing a research report.

Textbook

1. Kothari C.R, *Research Methodology*, New Age International, New Delhi, 2006.
2. Kurien C.T, *A Guide to Research in Economics*, National Publishing House, New Delhi, 1983.

Books for Reference

1. Gopal M. H., *An Introduction to Research Procedures in Social Sciences*, Asia Publishing House, Mumbai.
2. Wilkinson and Bandarkar, *Methodology and Techniques of Social Research*, Himalaya, Mumbai, 1984.
3. Young P.V, *Scientific Social Surveys and Research*, Prentice- Hall of India, New Delhi, 1977.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester V	Course Code 17UEC530211	Title of the Paper Part-III: Research Methods in Economics										Hours 5	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)							
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	4	4	3	4	4	4	4	5	2	4	4	5	2
CO2	3	3	4	3	4	3	5	4	1	4	4	5	1
CO3	3	3	3	3	4	3	4	3	2	3	5	5	2
CO4	3	3	4	3	3	3	4	2	1	3	2	4	2
CO5	4	4	4	4	3	4	5	3	3	3	3	4	3
CO6	3	4	4	3	3	4	4	3	2	2	4	4	2
Mean Overall Score													3.36

Result: The Score for this Course is 3.36 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester V
17UEC530212

L P C
5 - 3

ECONOMICS OF INFRASTRUCTURE

Course Outcome

- * To understand the term infrastructure, origin and development.
- * To learn the nexus between infrastructural development and economic development.
- * To be aware of significance of energy conservation.
- * To understand the need for non conventional energy sources.
- * To study on funding agencies of infrastructure.
- * To conceptualise Public Private Partnership.

Unit-I: Importance of Infrastructure (18 Hours)

Infrastructure – meaning, importance and role in economic development - Infrastructure as a public good- Social and physical infrastructure- Special characteristics of infrastructure- Pricing of infrastructure.

Unit-II: Transport and Communication (18 Hours)

Demand for transport- cost functions in the transport sector - Principle of pricing- Special problems of individual modes of transport- Telephone utilities- cost in telephone industry- Characteristics of postal services- Criteria for fixation of postal rates - measurement of standards of service in telephone and postal utilities.

Unit-III: Energy, Electricity and Water Supply (18 Hours)

Primacy of energy in the process of economic development- factors determining demand for energy- Effects of energy shortages- Energy conservation- Renewable and non-conventional sources of energy- Relative economics of thermal, hydel and nuclear power plants- the case for a National Power Grid – Water: Sources – Demand and supply Aspects.

Unit-IV: Education and Economic Growth (18 Hours)

Education and economic growth- the case for universal, free, primary education- structure of higher education- Financing of Higher Education in India - Health dimensions - Determinants of health – Poverty, Malnutrition, Illiteracy and lack of health information.

Unit-V: Organisation and Financing of Infrastructure (18 Hours)

Organization and financing of social services - Private Vs Public sector financing – Public and Private Partnership (PPP) in infrastructure.

Textbook

1. Dash. L. N, Economics of Infrastructure: Growth and Development, Regal, New Delhi, 2007.
2. Reddy. K.C, Economics and Public Policy, Himalaya Mumbai, 2000.

Books for Reference

1. Ashok V.Desai, Energy Demand, Analysis, Management and Conservation, Wiley Eastern , 1990
2. Choudhuri. R.K. Economics of Public Utility, Himalaya Mumbai, 1986.
3. Raghuram .G, & Rekha Jain, *Infrastructure Development and Financing*, Macmillan New Delhi, 1999.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester V	Course Code 17UEC530212	Title of the Paper Part-III: Economics of Infrastructure												Hours 5	Credits 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	5	3	2	4	3	4	2	2	3	4	3	3	3	3.15	
CO2	3	3	2	4	4	3	4	3	4	3	4	4	4	3.46	
CO3	3	4	2	4	4	3	4	2	3	4	3	3	4	3.31	
CO4	4	1	4	3	2	3	2	4	4	3	4	3	5	3.23	
CO5	3	3	3	3	3	4	3	4	4	4	3	5	3	3.46	
CO6	4	3	3	4	3	3	4	3	5	4	3	5	4	3.69	
Mean Overall Score														3.38	

Result: The Score for this Course is 3.38 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation	1	2	3	4	5
Quality	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester V
17UEC530302

L P C
4 - 4

Core Elective-2 (Within School)
PRINCIPLES OF ECONOMICS

Course Outcome

- * To provide basic and conceptual understanding of economic concepts and principles.
- * To make the students understand the methods and measurement of national income.
- * To acquire knowledge of the key factors of production.
- * To understand the concept of inflation in the present era.
- * To know the basic ideas about the internal and international trade.
- * To know the important theories of international trade and terms of trade.

Unit-I: Nature and Scope of Economics

Meaning and Definitions of economics, nature, scope, Uses and Limitations.

Unit-II: Demand Analysis

Meaning – Law of Demand and its determinants – Meaning, types and degrees of Elasticity – Measurement of price elasticity- Meaning- factors involved in forecasting- Methods of forecasting – criteria for good forecasting.

Unit-III: Production and Costs Analysis

Law of variable proportions- Law of returns to scale – Cost concepts – cost-output relationship- Economies and Diseconomies of scale.

Unit-IV: Pricing Techniques

Full-cost pricing- Marginal Pricing- Target pricing- Peak-load pricing- Going-rate pricing- Cyclical pricing- Customary pricing- Product line pricing- skimming pricing- Penetrating pricing.

Unit-V: National Income and Economic Policies

National Income- components - Methods and Difficulties in the calculation of National Income- Monetary policy and Fiscal policy.

Textbook:

1. S.Sankaran, (1991), Micro Economics, Margham Publications, Madras.
2. Ahuja H.L. (1996), *Principles of Micro Economics, A New look at Economic Theory*, S.Chand, New Delhi.

Books for Reference

1. Kennedy, Maria John M., (1999). Advanced Micro Economic Theory (Second Edition) Himalaya, Publishing House, NewDelhi.
2. Stigler, G.. (1996). Theory of Price (Fourth Edition) PrenticeHall of India, New Delhi.
3. Jhingan M. L., (1992). *Micro Economic Theory*, Konark, New Delhi.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester V	Course Code 17UEC530302		Title of the Paper Part-III: Principles of Economics										Hours 4	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	3	3	4	3	2	4	5	2	3	4	4	3	4	3.38
CO2	3	2	3	1	3	4	4	3	4	3	3	4	5	3.23
CO3	4	3	3	4	1	3	3	4	4	2	2	4	4	3.15
CO4	3	4	3	2	4	3	4	3	3	3	4	4	5	3.46
CO5	2	3	2	4	4	2	3	2	5	4	3	4	3	3.15
CO6	3	4	4	3	4	5	4	5	4	4	4	4	2	3.85
Mean Overall Score														3.37

Result: The Score for this Course is 3.37 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Semester V
17UEC540601

L P C
2 - 2

**Skill Based Elective (BS):
SECURITY ANALYSIS**

Course Outcome

1. To provide an understanding of the conceptual framework underlying security analysis.
2. To know the important instruments of share market.
3. To know the concepts and importance of capital market.
4. To provide a theoretical & practical background in the field of investment.
5. To know the concepts and applications of derivative securities.
6. To acquire practical knowledge about share market and its impact on economic growth

Unit-I: Introduction to Capital Market (6 Hours)

Capital market: Meaning and functions – Constituents - Instruments dealt with the share markets - bench mark indices- SENSEX- NIFTY.

Unit-II: Valuation of Bonds (6 Hours)

Measures of yield - Duration and Convexity - Measures of Risk - Determinants of Interest Rates - Bond Swaps.

Unit-III: Derivative Securities (6 Hours)

Equity options: Concept, Applications and Valuation- Index Futures: Concept and Applications.

Unit-IV: Valuation of Equity Stocks (6 Hours)

Approaches to Equity Stock Valuation - Economic Analysis- Industry Analysis - Company analysis, Technical Analysis, Hypothesis.

Unit-V: Portfolio Management (6 Hours)

The Conceptual Framework: Modern Portfolio Theory, Portfolio Management, and Performance Evaluation of Portfolio.

Textbook

1. Fischer. D.E, and Jordan R.J, *Security Analysis And Portfolio Management*, Prentice Hall of India, New Delhi, 1992.

Books for Reference

1. Ballha, V.K, *Investment Management*, S.Chand, New Delhi.
2. Avadhani. V.A, *Investment & Securities Markets in India*, Himalaya, Bombay.
3. Simha. S.L.N, Hemalatha. D and Balakrishnan S, *Investment Management*, Madras Institute for Financial Management and Research, 1979.
4. Elton.E.J., & Gruber. M.J, *Modern Portfolio Theory & Investment Analysis*; John Wiley.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester V	Course Code 17UEC540601	Title of the Paper Skill Based Elective (BS): SECURITY ANALYSIS													Hours 2	Credits 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8			
CO1	3	3	4	3	2	4	3	4	3	1	4	4	4	3.23		
CO2	3	2	3	1	3	5	4	3	4	3	5	4	3	3.31		
CO3	4	3	3	2	1	3	4	3	3	2	4	4	3	3.00		
CO4	3	4	3	2	3	4	4	5	2	4	3	4	4	3.46		
CO5	2	3	2	4	4	2	3	4	5	3	2	4	4	3.23		
CO6	3	4	3	2	4	4	4	2	4	3	3	2	5	3.31		
CO7	4	3	2	3	2	3	3	5	4	3	4	3	5	3.38		
CO8	3	4	4	3	4	3	4	4	4	3	3	4	3	3.54		
Mean Overall Score														3.31		

Result: The Score for this Course is 3.3 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester V
17USS540701A

L P C
2 - 2

**Inter Departmental Courses (IDC):
SOFT SKILLS**

Course Outcomes

1. To augment the level of confidence in articulation of the students in their communication.
2. To ensure that the students learn to speak and interact with one another as social beings
3. To equip them and train to present the best of themselves as job seekers.
4. To equip with conversation techniques, presentation skills and grooming
5. To prepare them write their own resume and enhance their interview skills required by employers
6. To ensure that the students learn the parameters of group dynamics a key component of conversation

Module I

Basics of Communication: Definition of communication, Barriers of Communication, Grooming, Presentations & Practicum.

Module II

Resume Writing & Interview Skills: Resume Writing: What is resume? Types of Resume - Chronological, Functional and Mixed Resume, Steps in preparation of Resume. **Interview Skills:** Preparation

Module III

Group Discussion: Basics of Group Discussion, Parameters of GD, Essential Points for GD preparation, and GD Topics and Practicum.

Module IV

Personal Effectiveness: Self Discovery; and Goal Setting; Questioners & Presentations for interview, Common interview questions, Attitude, Body Language, The mock interviews and Practicum

Module V

Numerical Ability: Calendar, Average, Percentage; Profit and Loss, Simple Interest, Compound Interest; Time and Work, Pipes and Cisterns; Time and Distance, Problems on Trains, Boats and Streams; Ratios and Proportions.

Module VI

Test of Reasoning - Verbal Reasoning: Series Completion, Analogy; Data Sufficiency, Assertion and Reasoning; and Logical Deduction. **Non-Verbal Reasoning:** Series; and Classification

Textbook

1. JASS, 2016. *Straight from the traits: Securing the soft skills*. St. Joseph's College, Trichy

References

1. Aggarwal, R.S. 2010. *A Modern Approach to Verbal and Non Verbal Reasoning*. S.Chand, New Delhi.
2. Aggarwal, R.S. 2001. *Quantitative Aptitude*. S.Chand. New Delhi
3. Covey, Stephen. 2004. *7 Habits of Highly effective people*, Free Press.
- Egan, Gerard. (1994). *The Skilled Helper* (5th Ed). Pacific Grove, Brooks/Cole.
4. Khera, Shiv 2003. *You Can Win*. Macmillan Books, Revised Edition.
5. Murphy, Raymond. 1998. *Essential English Grammar*. 2nd ed., Cambridge University Press.
- Sankaran, K., & Kumar, M. *Group Discussion and Public Speaking*. M.I. Pub, Agra, 5th ed., Adams, Media.
6. Trishna's 2006. *How to do well in GDs & Interviews*, Trishna Knowledge Systems.
7. Yate, Martin. 2005. *Hiring the Best: A Manager's Guide to Effective Interviewing and Recruiting**

Evaluation Pattern

Modules	Topic	Examination Pattern	
		CIA	Online
I	Basics of Communication	15	5
II	Resume Writing & Interview Skills	15	5
III	Group Discussion	10	10
IV	Personal Effectiveness	10	10
V	Numerical Ability (Common Session)	-	10
VI	Test of Reasoning (Common Session)	-	10
	Total	50	50

Semester V
17USS540701B

Hours/Week: 2
Credits: 2

**Inter Departmental Courses (IDC):
NATIONAL CADET CORPS**

Course Outcomes

1. NCC 'C' and 'B' certificates are very much useful and increase credit marks in UPSC and SSB examinations..
2. They learnt discipline punctual and leadership quality.
3. They got physical fitness for Army and Police selection.
4. They learnt general knowledge find political issue.
5. They got trained for social service and volunteers for disaster.
6. They will be the best citizens of India.

Unit-I: About NCC - Personality Development - Self Awareness (6 hours)
NCC Aims and objectives of NCC - Organization and training and NCC song Incentives for cadets in NCC - NCC ranks Religion, culture , traditions and customs of India.- National integration – importance and necessity - Freedom struggle and nationalist movement in India - Personality development - Introduction to personality development - Factors influencing / shaping personality – Physical , social, psychological and philosophical Self awareness – know yourself / insight . - Change your mindset.

Unit-II: Interpersonal Relationship and Communication - NDMA (6 hours)
Interpersonal relationship and communication - Communication skills Leadership traits - Types of leadership Attitude – assertiveness and negotiation - Time management - Effects of leadership with historical examples - Stress management skills - Interview skills - Conflict motives.- Importance of group – team work - Disaster Management - Civil defence organization and its duties – NDMA Types of emergencies / natural disasters- Assistance during natural / other calamities / floods / cyclone / earth quake / accident - Setting up of relief camp during disaster Management - Collection and distribution of aid material .

Unit-III: Social Awareness & Community Development - Hygiene and Sanitation (6 hours)

Social awareness and community development - Basics of social service- weaker sections of our society and their needs - Health and Hygiene Structure and functioning of the human body - Hygiene and sanitation- Physical and mental health - Infectious and contagious diseases and its prevention -

Basic of home nursing and first aid in common medical emergencies - Wounds and fractures - Introduction to yoga and exercises

Unit-IV: AIR-WING (6 hours)
Principles of flight – Elementary Mechanics – Atmosphere - Venturi effect and Bernauli's theorem - Glossary of terms; Aero engines – Aero-engine components; Aircraft components – Airframe structure; Metereology – Importance of Metereology in Aviation; Air Navigation – Why a pilot should study Navigation; Airmanship – Airmanship; Aeromodelling – History of Aeromodelling – Materials used in Aeromodelling – Types of Aeromodels.

Unit-V: NAVAL (6 hours)
Naval orientation - history of Indian Navy – Navy head quarters commands fleets- ships shore establishment war ships and their role - induction to Anti submarine warfare.- Types of war ships - types anchor parts of anchor - GPS RACON RADAR - types of firewater making in the ships- NBCD organization and structure - Damage flooding.

Text Book

1. Cadet's hand book published by the Directorate General, National Cadet Corps, Ministry of Defence, R. K. Puram, New Delhi 110022, 2008.

Semester VI
17UEC630214

L P C
7 - 4

HISTORY OF ECONOMIC THOUGHT-II

Course Outcome

- * Gain knowledge of the origin and development of economic ideas.
- * Understand the differences in the main focus of economic ideas.
- * Understand the influence of socio-political reality in shaping the economic ideas.
- * Understand the life and commitment of the economists.
- * Gain confidence in evaluating economic ideas.
- * Understand the government policies from the perspectives of different economic ideas.

Unit-I: Marginalists (18 Hours)

Marginalism: Meaning, Characteristics and Economic Ideas - Jevons, Karl Menger, Walras and Alfred Marshall: role of time elements in price determination, economic methods, consumer's surplus, elasticities, prime and supplementary costs, representative firm, external and internal economies, quasi-rent, organization as a factor of production, nature of profits.

Unit-II: Institutional Schools (18 Hours)

Institutional school: Main characteristics, the Economic ideas of Veblen - Gunnar Myrdal and J.K. Galbraith.

Unit-III: Innovations and Imperfections (18 Hours)

Economic ideas of J.A. Schumpeter: Role of entrepreneur and innovations, Mrs. Joan Robinson: Imperfect Market and C.A. Chamberlin: Monopolistic Competition.

Unit-IV: Keynesian Ideas (18 Hours)

Economic ideas of Keynes: Aggregate economy, Liquidity Preference Theory and Liquidity Trap, Marginal Efficiency of Capital and Marginal Efficiency of Investment, wage rigidities, underemployment equilibrium- Role of fiscal policy: deficit spending and public works, multiplier principle, cyclical behaviour of the economy, uncertainty and role of expectations, impetus to economic modeling.

Unit-V: Indian Economic Thought (18 Hours)

Early economic ideas: Arthasasthra, Valluvar; Modern economic ideas: Naoroji, Ranade, R.C. Dutt, M.N. Roy and Gandhi- Village, Swadeshi, place

of machine and labour, cottage industries, trusteeship and Nehru: Early approaches to planning (The National Planning Committee).

Textbook

1. Loganathan, V., *A History of Economic Thought*, S. Chand and Company, New Delhi, 1987.
2. Schumpeter, J.A., *A History of Economic Analysis*, OUP, New York, 1954.

Books for Reference

1. Blackhouse, R., *A History of Modern Economic Analysis*, Basil Blackwell, Oxford 1985.
2. Ganguli, B.N., *Indian Economic Thought: A 19th Century Perspective*, McGraw Hill, New Delhi, 1977.
3. Gide, C. and Rist, G., *A History of Economic Doctrines*, George Harrop, London, 1956.
4. Grey, A. and Thomson, A.E., *The Development of Economic Doctrine*, Longman Group, London, 1980.
5. Roll, E., *A History of Economic Thought*, Faber, London, 1973.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester VI	Course Code 17UEC630214	Title of the Paper Part-III: History of Economic Thought-II												Hours 7	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	2	3	4	3	2	4	2	4	4	3	3	3	2	3.00	
CO2	3	2	3	2	3	3	4	5	4	3	3	3	4	3.23	
CO3	2	3	3	2	3	5	3	4	3	2	3	4	3	3.08	
CO4	3	4	3	2	4	3	5	4	3	5	3	4	4	3.62	
CO5	4	1	2	4	5	5	2	2	4	4	4	4	3	3.38	
CO6	4	4	3	2	4	2	4	4	3	5	4	3	4	3.54	
Mean Overall Score														3.31	

Result: The Score for this Course is 3.31 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester VI
17UEC630215

L P C
6 - 4

PUBLIC FINANCE

Course Outcome

- * To know the methods of raising public revenue.
- * To know about the principles of taxation.
- * To learn the difference between avoiding and evading tax.
- * To know the types of public expenditure.
- * To learn the contents of budgeting.
- * To understand the reasons for growing public expenditure in India.

Unit-I: Nature and Scope of Public Finance (18 hr)

Meaning, Scope and importance of public finance - Normative and positive approach- Role of state on economic activities - comparison of public and private finance.

Unit-II: Concepts of Public Revenue, Expenditure and Debt (18 hr)

Revenue: Meaning, source, tax and non-tax, revenues and importance; Public Expenditure – meaning scope, classification, effects and importance; Public Debt – meaning, classification and reasons for the growth.

Unit-III: Taxation (18 hr)

Meaning, characteristics, objectives, cannons and kinds of tax; impact, shifting, incidence, evasion and effects of taxation; major taxes – expenditure tax, commodity tax, VAT, GST, wealth tax and agricultural tax.

Unit-IV: Budget (18 hr)

Budgetary procedure in India; agencies involved in financial administration and parliamentary control on budget; current budget; fiscal policy – concepts (fiscal deficit, revenue deficit and primary deficit), instruments and objectives.

Unit-IV: Fiscal Federalism (18 hr)

Meaning and importance of federalism- Principles of Federal Finance-Centre-state Financial relations- Recent Finance Commission.

Textbook

1. Tyagi. B.P, Public Finance, Jai Prakash Nath, Meerat, 2012.
2. Maria John Kennedy M. Public Finance, PHI Learning Pvt. Ltd, New Delhi, 2012

Books for Reference:

1. H.L.Bhatia, Public Finance, Vikas, New Delhi, 1999.
2. Musgrave and Musgrave, Public Finance in Theory and Practice, Mc Graw Hill, New Delhi, 1984.
3. Agarwal, R.P, Public Finance, Lakshmi Narain, Agra.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester VI	Course Code 17UECG30215	Title of the Paper Part-III: Public Finance												Hours 6	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	2	1	1	3	3	3	4	4	4	4	4	4	3	3.08	
CO2	4	3	4	4	3	4	5	3	4	5	3	5	4	3.92	
CO3	2	1	3	3	3	3	3	2	4	3	4	3	5	3.00	
CO4	2	1	3	3	2	5	4	5	3	4	3	4	4	3.31	
CO5	4	4	3	3	2	2	1	3	5	2	2	3	5	3.00	
CO6	1	2	2	4	3	4	3	4	2	3	4	4	3	3.00	
Mean Overall Score														3.21	

Result: The Score for this Course is 3.21 (High Relationship)

Note:

Mapping Scale Relation Quality	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester VI
17UEC630216

L P C
7 - 4

INTERNATIONALECONOMICS

Course Outcome

- * Enable the students to understand the role of international economics in the development of our economy
- * Compare the different theories of international economics
- * Familiarize with the policies of international economic relations
- * Gives the knowledge on the principles that govern the free flow of goods and services at the global level
- * Provides idea on recent changes in the export and import policies of India
- * Acquaint with the functions of various international economic institutions

Unit-I: Concept of International Trade and Classical Theories (18 hr)

Nature of International Trade - Internal and International Trade - Classical theory of International Trade - Adam Smith's Absolute Advantage Theory: - Ricardo's Comparative Cost Theory - Mill's Theory of Reciprocal Demand.

Unit-II: Modern Version of Theories of International Trade (18 hr)

Heckscher-Ohlin Theory of International Trade - Haberler's opportunity cost version of comparative cost theory – Marshall-Edgeworth offer curves -- Gains from international trade - The terms of trade.

Unit-III: Exchange Rate (18 hr)

Exchange Rate: Definition- Types of Exchange Rate- Fixed Vs Flexible Exchange Rate Policy - Theories of Foreign Exchange Rate: The Mint-Parity Theory - The Purchasing Power Parity Theory – BOP Theory.

Unit-IV: Balance of Trade and Balance of Payment (18 hr)

BOT - BOP - Current Account, Capital Account - Visible and Invisible - Causes for disequilibrium in Balance of Payments – Methods of correcting the disequilibrium - Devaluation of Currency – Convertibility of Currency: Partial Account and Full Account.

Unit-V: Commercial Policies & International Economic Relations(18 hr)

Free Trade - Protection - Tariffs - Quotas - International Economic Institutions: IMF, IBRD, WTO & UNCTAD - Trade Blocs: EEC, OPEC, SAARC & ASEAN.

Textbook

1. Mithani. D, *International Economics*, Himalaya, Mumbai, 1993.

Books for Reference

1. Soderston B, *International Economics*, Macmillan, London, 2002.
2. Jhingan. M.L, *International Economics*, Vrindha, New Delhi 2003.
3. Rana & Verma, *International Economics*, Asian, New Delhi.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester VI	Course Code 17UEC630216	Title of the Paper Part-III: International Economics												Hours 7	Credits 4
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	4	3	4	3	4	5	3	3	5	5	3	3	4	3.77	
CO2	3	2	3	1	2	4	3	3	4	4	4	3	5	3.15	
CO3	3	3	2	2	2	4	3	3	4	3	3	4	3	3.00	
CO4	3	3	3	3	4	4	4	3	4	3	4	3	4	3.46	
CO5	2	2	4	2	3	3	2	3	5	3	2	3	3	2.85	
CO6	3	4	3	2	3	4	4	3	4	3	3	4	4	3.38	
Mean Overall Score														3.26	

Result: The Score for this Course is 3.26 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester VI
17UEC630303

L P C
4 - 4

Core Elective (WS): ENVIRONMENTAL ECONOMICS

Course Outcome

- * To understand the basics of environmental and energy economics
- * To make them aware of environmental and energy issues
- * To know the Environmental impact on economic development
- * To know the importance of Energy Economics
- * To get to know the causes of Industrial pollution
- * To know the details of Environmental policies in India

Unit-I: Introduction to Environmental Economics (12 hours)

Definition, Role and significance of Environment- Ecology, Eco-system: components, kinds and functions of Eco-system- Trade off between economic growth and environment.

Unit-II: Conservation of Natural Resources (12 hours)

Need for conservation of resources: Forest, Water and Soil – Energy resources- Conservation of bio diversity- Methods of conservation.

Unit-III: Energy Economics (12 hours)

Meaning, Importance of energy economics- Energy Resources: Types and Classification Renewable and Non- Renewable sources-Conventional and Non- conventional sources of energy.

Unit-IV: Energy Problems and Planning in India (12 hours)

Nature of the Energy Problems in India -Present energy situation- Future energy demand- Energy Planning in India-Role of energy in economic development.

Unit-V: Environmental Issues and Legal Measures (12 hours)

Industrial pollution – Trade related environmental issues- Environmental Law- Air Act, Water Act, Pollution Control-Environmental Protection Act 1986 - Energy policies in India.

Textbook

1. Sankaran , Environmental Economics, Sterling, New Delhi, 2008.

Books for Reference

1. Dhulasi Birundha Varadarajan, Energy Economics, Sterling, New Delhi, 1993.
2. Karpagam, M., Environmental Economics, Sterling, New Delhi, 1999.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester VI	Course Code 17UEC630303	Title of the Paper Part-III: Environmental Economics										Hours 4	Credits 4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	4	3	4	3	2	5	3	3	5	5	3	3	4	3.615
CO2	3	2	3	1	2	4	3	3	4	4	4	3	3	3.000
CO3	3	3	2	2	2	4	3	3	4	3	3	4	3	3.000
CO4	3	3	2	3	4	4	4	3	4	3	4	3	4	3.385
CO5	2	2	2	2	3	3	2	3	5	3	2	3	3	2.692
CO6	3	4	3	2	3	4	4	3	4	3	3	4	4	3.385
Mean Overall Score														3.179

Result: The Score for this Course is 3.17 (High Relationship)

Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester VI
17UCO630303A

L P C
4 - 4

Core Elective (WS): RETAIL MANAGEMENT

Course Outcomes:

After completing this course, the students will be able to:

1. Know various forms of retailing business techniques in India.
2. Gain knowledge on the store location, practical analysis of site and trading.
3. Acquire in depth knowledge of inventory management.
4. Appreciate critical elements of retail stores operations.
5. Equip with skills critical for Physical distribution and store keeping strategies.
6. Equip with Entrepreneurial and research oriented skills required to establish and run retail stores.

Unit-I

(12 hours)

Retailing - Meaning - Definition - Characteristics - evolution of retailing in India - retailing principles - retail sales objectives - retailing in India - across the globe - reasons for retail growth - emerging trends in retailing - retail formats - store based; non-store based - traditional and non-traditional retailing - internet retailing - cyber retailing.

Unit-II

(12hours)

Store location - importance - selection of loyalty - site analysis -trading analysis - demand and supply density - site availability - trends in store location - retail marketing segmentation - significance - market segmentation process - key retail segments.

Unit-III

(12 hours)

Inventory - reasons for holding inventory - methods of inventory control - selective inventory management - EOQ model - ABC analysis-VED analysis-FSN analysis - HML analysis-inventory costs- material handling –latest development in inventory management.

Unit-IV

(12 hours)

Retail store operations- elements of retail store operations management of retail store- the role of centralized retailer - an integrated retailing approach - operations master schedule - store maintenance- energy management - retailing success tips.

Unit-V (12 hours)
 Distribution management - distribution channel - functions of a distribution channel - channel levels - elements of physical distribution -wholesaling - classification and characteristics - warehousing - need -benefits - functions- features and classifications of warehousing.

Textbook

1. Dr. Harjit Singh, (2014), Retail Management - A Global Perspective, Text and Cases, S.Chand & Company Ltd., New Delhi

Books for Reference

1. Gibson G Vedamani, (2011), Retail Management:- Functional Principles and Practices, Jaico Publishing House, New Delhi.
2. Gourav Ghosal, (2010), Retail Management, Maxford Books PublishingHouse, New Delhi.
3. Dr. L. Natarajan (2016), Retail Management, Margham Publications, Chennai.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester VI	Course Code 17UC0630303A	Title of the Paper RETAIL MANAGEMENT										Hr	Cr
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	5	5	4	5	5	5	5	5	5	5	5	5	5
CO2	5	5	4	5	4	5	5	5	5	5	4	5	5
CO3	5	4	4	5	5	5	5	5	5	4	4	5	5
CO4	5	5	4	5	5	5	5	5	5	5	4	5	5
CO5	5	5	5	5	5	5	5	5	5	5	5	5	4
CO6	5	5	5	5	5	5	5	4	5	5	5	5	5
Mean Overall Score											4.8		

Result: The Score for this Course is 4.8 (High Relationship)

Note:

Mapping Scale	1	21-40%	2	41-60%	3	61-80%	4	81-100%	5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High				

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester VI
17UCO630303B

L P C
4 - 4

Core Elective (WS): PRINCIPLES OF EVENT MANAGEMENT

Course Outcomes:

After completing this course, the students will be able to:

1. Understand the importance of event management as a managerial skill.
2. Identify event management procedure.
3. Learn the nuts and bolts of conducting an event.
4. Appreciate the significances of Public Relation in event management.
5. Plan and execute various corporate events.
6. Write a detailed report on corporate events

Unit-I (12 hours)

Event- Meaning- Why Event Management- Analysis of Event, Scope of Event, Decision Makers. Event Manager Technical Staff- Establishing of Policies & Procedure- Developing Record Keeping Systems.

Unit-I (12 hours)

Principles for holding an Event, General Details, Permissions- Policies, Government and Local Authorities, Phonographic Performance License, Utilities- Five Bridge Ambulance Catering, Electricity, Water Taxes Applicable.

Unit-I (12 hours)

Preparing a Planning Schedule, Organizing Tables, Assigning Responsibility, Communication and Budget of Event- Checklist, Computer aided Event Management- Roles & Responsibilities of Event Managers for Different Events.

Unit-I (12 hours)

Introductions to Public Relations- Concept- Nature- Importance- Limitations- Media- Types of Media- Media Management, Public Relation Strategy & Planning. Brain Storming Sessions- Writings for Public Relations.

Unit-I (12 hours)

Planning of Corporate Event, Job Responsibility of Corporate Events Organizer, Arrangements, Budgeting, Safety of Guests and Participants, Creating Blue Print, Need for Entertainment in Corporate Events And Reporting.

Skill Development

1. Preparation of Event Plan for Association meetings, Parent teacher meetings, and other events
2. Preparing Budget for conduct of National level intercollegiate sports events.
3. Preparation of Event Plan for College day Celebrations
4. Preparation of Plan, Budget and Conducting COM CARNIVAL.

Textbook

1. Mark Sonder (2006), Event Entertainment and production, Wiley; 1 edition

Books for References

1. Laura Capell (2013), Event Management for Dummies, ,
2. Susan Friedmann (2013), Meeting and Event Planning for Dummies,
3. Corporate Event Production, David Clement (2015), Entertainment Technology Press Ltd, Cambridge.
4. Savita Mohan (2012), Event Management and Public Relation, Enkay Publishing House.
5. Shannon Kikenny (2001), A Complete guide to Successful Event Planning, Indra Publishing House.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester VI	Course Code 17UCO630303B	Title of the Paper PRINCIPLES OF EVENT MANAGEMENT													Hr 4	Cr 3
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8			
CO1	5	4	3	4	5	3	4	4	5	4	4	5	4	4.15		
CO2	5	4	3	4	4	3	4	4	5	3	4	5	4	4.00		
CO3	5	4	3	4	4	3	4	4	5	3	4	5	4	4.00		
CO4	5	4	3	4	4	3	4	4	5	4	4	5	4	4.07		
CO5	5	4	3	4	4	3	4	4	5	3	4	5	4	4.00		
CO6	5	4	3	4	4	3	4	4	5	4	4	5	4	4.07		
Mean Overall Score														4.05		

Result: The Score for this Course is 4.0 (High Relationship)

Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester VI
17UEC640602

L P C
2 - 2

**Skill Based Elective (WS):
PRACTICAL INSURANCE**

Course Outcomes:

1. This course intends to provide a basic understanding of the insurance mechanism.
2. To know the basic concepts and types of insurance.
3. To acquire the practical knowledge about the insurance companies.
4. To know the practical applications of insurance like premium, surrender and loan availability.
5. To understand the policy conditions of insurance companies.
6. To disseminate knowledge among the students and inculcate theoretical structure about insurance companies.

Unit-I: Nature and Importance of Insurance (6 hr)

Definition - Evolution - Primary and Secondary Functions - -Characteristics - Importance to Individual, Business and Society.

Unit-II: Insurance Contract and Risk Management (6 hr)

Meaning of Contract - Insurable Interest - Utmost Good Faith - Principle of Indemnity and other Principles - Risk Management: Definition and Types - Management of Risk through Identification analysis and control.

Unit-III: Personal Life Insurance and Industrial Life Insurance (6 hr)

Features of Life Insurance - Proximate Cause - Assignment and Nomination - Rate of Premium - Endowment Policies - Accident Benefit - Disability Benefits - Industrial Life Insurance: Purpose - Group Life Insurance - Benefits.

Unit-IV: Marine and Fire Insurance (6 hr)

Marine Insurance: Nature - Procedures - Exceptions - Types - Premium Calculation and payment of Claims - Fire Insurance: Definition – Elements in Insurance - Contract - Policy Conditions - Rate Fixation - Payment of Claims.

Unit-V: Practical Insurance (6 hr)

Premium calculation through table reading- surrender value estimation- Estimation of Loan availability- Practical applications of Insurance.

Textbook

1. Mishra M.N, *Insurance: Principles & Practices*, S. Chand, New Delhi, 2005.

Books for Reference

1. Srivatsava D.C & Shashank Srivastava, *Indian Insurance Industries Transition & Prospect*, New Century, New Delhi, 2001.
2. Holyoake, Julia & William Weipers, *Insurance*, AITBS Publications, New Delhi, 2002.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester V1	Course Code 17UEC640602	Title of the Paper PRACTICAL INSURANCE												Hours 2	Credits 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8		
CO1	4	3	5	4	3	4	5	3	5	4	5	4	3	4.00	
CO2	3	4	5	3	4	4	3	3	4	4	4	3	4	3.69	
CO3	5	5	4	4	3	3	4	4	2	3	4	5	3	3.76	
CO4	4	5	3	4	4	5	3	4	3	5	4	4	4	4.00	
CO5	3	4	4	3	4	3	4	4	4	3	4	5	5	3.84	
CO6	4	3	4	4	3	5	4	4	4	4	3	4	4	3.84	
Mean Overall Score														3.85	

Result: The Score for this Course is 3.85 (High Relationship)

Note:

Mapping Scale	1-20% 1	21-40% 2	41-60% 3	61-80% 4	81-100% 5
Relation Quality	0.0-1.0 Very poor	1.1-2.0 Poor	2.1-3.0 Moderate	3.1-4.0 High	4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester VI
17UCO640602A

L P C
2 - 2

Skill Based Elective (Within School):
BASIC ACCOUNTING PRACTICES

Course Outcomes:

After completing this course, the student will be able to ...

1. Understand basic principles of Accounting
2. Identify accounts and apply golden rules for the financial transactions.
3. Pass journal entries and post them in ledger
4. Prepare subsidiary books
5. Prepare trial balances
6. Prepare Final accounts and balance sheet

Unit-I (5 Hours)

Accounting Definition – Meaning – Objective – Types of Accounts – Golden Rules.

Skill tested : Identification of accounts in transactions and application of golden rules.

Unit-II (7 Hours)

Journal – Recording in Journal – Ledger – Posting in Ledger (Simple Sums).

Skill tested: Passing Journal entries and post the same in ledger

Unit-III (7 Hours)

Subsidiary books – Cash Book – Petty Cash Book – Purchase Book – Sales Book – Purchase return book – Sales Return Book.

Skill tested: Preparation of Subsidiary books.

Unit-IV (4 Hours)

Trial balance – Meaning – Methods and types – Preparation of Trial Balance.

Skill tested: Preparation of Trial Balance for given balances of various accounts

Unit-V (7 Hours)

Final Accounts – Trading Account profit and Loss Accounts – Balance Sheet (Simple Problems).

Skill tested: Preparation of Final accounts and Balance sheet without adjustments.

Textbook

1. Reddy TS and Murthy (2011) , Financial Accounting, Margham Publications, Chennai..

Books for References

1. R.L. Gupta & M. Radhaswamy (2014), Financial Accounting, Sultan Chand & Sons, New Delhi.
2. Reddy TS and Hari Prasad Reddy Y (2008) , Financial and Management Accounting, Margham Publications, Chennai..

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester VI	Course Code 17UCO640602A	Title of the Paper BASIC ACCOUNTING PRACTICES										Hr	Cr
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	5	4	3	5	4	3	4	2	5	2	3	4	4
CO2	5	4	3	5	4	3	4	2	5	2	3	4	4
CO3	5	4	3	5	4	3	4	2	5	2	3	4	4
CO4	5	4	3	5	4	3	4	2	5	2	3	4	4
CO5	5	4	3	5	4	3	4	2	5	2	3	4	4
CO6	5	4	3	5	4	3	4	2	5	2	3	4	4
Mean Overall Score													3.69

Result: The Score for this Course is 3.6 (High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very poor	Poor	Moderate	High	Very High

Values Scaling:

Mean Score of COs =	$\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs =	$\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Semester VI
17UCO640602B

L P C
2 - 2

Skill Based Elective-2 (WS):
PRACTICAL ADVERTISING

Course Outcomes:

1. Have the basic knowledge in various concepts of advertising.
2. Acquaint with the modern methods and avenues of Advertising.
3. Aware of various media of Advertising and their significances.
4. Possess the skills required for creating an advertisement copy.
5. Gain exposure in various Emotional appeals of advertising and its Importance.
6. Know the significance of portraying advertisement slogans with captions.

Unit-I (6 hours)

Advertising - Meaning - Definitions - Origin - Growth - Development - Objectives - Nature - Scope - Functions - Primary and secondary functions - AIDA model.

Unit-II (6 hours)

Advertising - Role - Importance - Benefits - Demerits - Legal regulations - Limitations - Truth in advertising - Ethics in advertising - Role of Advertising standards Council of India.

Unit-III (6 hours)

Media selection - Factors influencing media selection - different types of Media - Press - Television - Radio - FM Radio - Internet - Merits - Demerits.

Unit-IV (6 hours)

Advertisement copy - Meaning - Essentials of a good advertising copy - Types of Advertisement copy - components of Advertisement copy- Advertisement layout.

Unit-V (6 hours)

Advertising appeals - meaning - Definition - Functions - Classifications - Principals. Skills tested: Brand awareness, advertisement slogan awareness, understanding concepts, Creating Advertisement slogans, evaluating contents of advertisements in different media through AIDA model, knowledge of advertisement copy and Creating advertisement copy

Textbook

1. Mahendra Mohan, (2006) Advertising Management, Tata McGraw Hill Publishing Co. Ltd., New Delhi.

Books for Reference

1. Pillai & Bhagavathi (2000), Salesmanship, S. Chand & Co., New Delhi.
2. P. Saravanel (2013), Advertiesment & Salesmanship, Margham Publication, Chennai.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes

Semester VI	Course Code 17UC0640602B	Title of the Paper PRACTICAL ADVERTISING																Hr 2	Cr 2
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)								Mean Score of COs					
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8						
CO1	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
CO2	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
CO3	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
CO4	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
CO5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
CO6	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
Mean Overall Score														5					

Result: The Score for this Course is 5.0 (Very High Relationship)

Note:

Mapping Scale	1-20%	21-40%	41-60%	61-80%	81-100%
Relation Quality	1 0.0-1.0 Very poor	2 1.1-2.0 Poor	3 2.1-3.0 Moderate	4 3.1-4.0 High	5 4.1-5.0 Very High

Values Scaling:

Mean Score of COs = $\frac{\text{Total of Values}}{\text{Total No. of POs \& PSOs}}$	Mean Overall Score for COs = $\frac{\text{Total of Mean Scores}}{\text{Total No. of COs}}$
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Notes

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