

AQAR 2021-22

1.1 Curriculum Design and Development

1.1.2 Biochemistry – Board of Studies

Department of Biochemistry St. Joseph's College (Autonomous) Tiruchirappalli -- 620002

The Biochemistry board of studies meeting was held on 18 MAY 2021 at 10 AM on google meet platform. The Head of the department Mr.T.Antony Diwakar Chandran welcomed the University representative Dr.Suguna Bai , Associate Professor , Department of Biochemistry, SRC, Tiruchirappalli , Dr.Shabana Begum , Associate Professor , Department of Biochemistry ,Muthayammal college, Rasipuram, Mr. Dharmadurai, the Industrialist, Ms.Dhasaratha Bai, alumna belonging to 2019-21 batch and all the members of the staff.

Initially, the Head of the department read out the course pattern, and the shifting of the papers across the semesters. Then the staff members were asked to read out the content of the courses allotted for them. Then the suggestions of the Subject expert, the University representative and the industrialist were discussed and recorded.

New courses introduced and shifting of the courses across the semesters:

- Forensic science is introduced as the Ability Enhancing Course in the first semester.
- The course content of the Pharmaceutical Biochemistry paper is totally changed and offered in the fourth semester instead of third semester.
- > Advances in Clinical research and Biochemistry of Natural products are reintroduced.
- Microbiology of semester II is shifted to semester I. The experiments of the lab course paper are also combined accordingly.
- > The optional paper entitled "Molecular Diagnostics" is shifted to the third from the second semester.
- > The Paper entitled "Diet Therapy" is retained as the value added course. Minor corrections were made in the following papers.

Minor changes were made in the following papers.

Molecular Biology

Microbiology

Enzymology

Herbal technology

Human Physiology

Immunology

First Aid management

And Lab course IV

Then, the question paper patterns given by the Dean were presented by the Head of the Department. The pattern I with Four tier system was suggested by the members and finally approved by the board.

All the above changes and the suggestion given by the stakeholders were approved by the board members and implemented in the curriculum.

Mr.T.AntonyDiwakarChandran Assistant Professor and Head –The Chairman

Dr. S. SAHAYA SATHISH

DEAN-School of Biological Sees -

St. Joseph's Coffee a Mulcone - 21 Tirothorn and 220 602.

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F. ANTONY DIWAKAR CHANDRAN, M.Sc., M.Phil., PSDBI., NET., Head, Dept. of Biochemistry St. Joseph's College (Autonomous) Tiruchirappalli- 620 002

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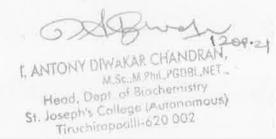
Board of Studies 2021 ACTION TAKEN REPORT

Biochemistry Board of Studies Meeting held on 18 MAY 2021 at 10 AM on Google staff room platform. The suggestions of the stakeholders were discussed by the board.

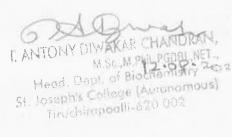
The following changes were made and approved by the board. As a result, the following

table shows the action taken as per the suggestions given by the members.

table shows the act Course Title	Stakeholders	Suggestions		Action taken	Percentag
		Addition	Deletion		e of revision
SEMESTER I			4		
Biomolecular Chemistry	Dr.Suguna Bai	Unit I :Introduction to metabolisms		Approved by the board and incorporated	1%
91	:Dr.Suguna Bai University Representative	UNIT V :Unusual nucleic acids	Serve \	Approved by the board and incorporated	1%
Microbiology	Dr.P.G.Geegi	Unit III: Industrial production of Vitamins		Approved by the board and incorporated	1%
	Dr.Suguna Bai - University Representative	UNIT I: Microscopy – Principles and types – Simple, Compound and Phase contrast		Approved by the board and incorporated	0.5%
	Dr.Shabana Begum – The Subject Expert	UNIT -1 Growth curve – factors affecting it	****	Approved by the board and incorporated	0.5%
Bioenergetics and Enzymology	Dr.Shabana Begum – Subject Expert	Unit II: Specific methods of Isolation and purification to be mentioned		Approved by the board and incorporated	1%
	Dr.Suguna Bai University Representative	Unit V: Applications of Specific enzymes- Industrial, Therapeutic		Approved by the board and incorporated	(= .
	Mr.T.AntonyDi wakar – The chairman	Two enzymes for each category		Approved by the board and incorporated	1%
Lab course I	Dr. Shabana Begum – Subject Expert	Estimation of Fructose		Approved by the board and incorporated	5%
	Mr.T.AntonyDi wakarChandran	Shifting of three experiments from	-	Approved by the board and	15%



	-The chairman	Lab course IV to Lab Course I		incorporated	
Developmental Biology	No change suggested		,	Approved	NAME.
Biochemistry of Natural Products	No change suggested			Approved	nne.
Forensic Science	No change suggested	- Executive		Newly framed course - Approved	100%
SEMESTER II					
Genetic Engineering	No Change Suggested	-	-	Approved	
Human Physiology	Dr.Suguna Bai - University Representative	UNIT V: Blood pressure – renin- angiotensin system		Approved	0.5%
Molecular Biology	Ms.Dhasaratha Bai -Alumna	Biological Mutation	100000	Approved by the board and incorporated	0.5%
Lab course II	No Change suggested	\ 	_	Approved	
Self Paced Learning: Advanced Nutrition	Dr.Shabana Begum – The Subject Expert	UNIT – 1 Protein Energy Malnutrition (PEM)	Unit I: Refsum's Disease and Atherosclerosis	Approved	1%
	ShrithiLekha – Student Representative	Books for Dietetics	a)	Approved by the board and incorporated	
Immunology	Dr.Suguna Bai - University Representative	Unit III: Mechanisms of activation of B and T cells		Approved by the board and incorporated	197
IDC (WS) Herbal Technology Generic Elective -I	Prof.S.Venkates hwari – Faculty member	Unit II: Drug Formulation and Types — advantages and disadvantages		Approved by the board and incorporated	1%
	Dr.Suguna Bai - University Representative	Unit II: Packing materials		Approved by the board and incorporated	0.5%
	Dr.Shabana Begum – The Subject Expert	UNIT – 1 Role of Indian Systems of medicine – Ayruveda, Yoga,		Approved by the board and incorporated	1%
		Siddha, Unani and Homeo			



SEMESTER III					
Pharmaceutics	No Change		_	Approved	
and	Suggested			-	
Nanotechnology			/		
Research	No Change		_	Approved	25
Methodology	Suggested				
Advances in	No Change			Approved	444
Clinical research	Suggested				
Lab course III	No Change			Approved	++
	Suggested				
Life sciences for	No Change			Approved	**
Competitive	Suggested		in the		
Exams –I					
Molecular	No Change			Approved	
Diagnostics	Suggested				
IDC (BS) :First	Prof.A.BennoSu	Unit V: First Aid		Approved by	1%
Aid	sai – Faculty	Kits		the board and	
Management	member			incorporated	
Semester IV				1	
Advanced	No Change			Approved	22
Endocrinology	Suggested				
Clinical	No Change			Approved	E
Biochemistry	Suggested			4	
Lab course IV	Mr.T.AntonyDi		Estimation of	Approved	15%
	wakar-The		Vitamin C,A,E,		
	chairman				
	Mr.		i)Pathological	Approved	10%
	A.BennoSusaiVi		examination of		
	jayakumar-		blood film		
	Member =		ii)Determinatio		
			n of		
			prothrombin		
	4		time		
Pharmaceutical	Mr.Dharmadurai	Unit V:		Approved by	1%
Biochemistry	- Industrialist -	Introduction of		the board and	
J		Quality control-		incorporated	11
		Dissolution,		_	
		Disintegration			
Life Sciences for	No Change			Approved	**
competitive	Suggested	3===		1 1	
Exams –II					

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