

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE 641029
DEPARTMENT OF BIOCHEMISTRY

Minutes of the Board of Studies (Meeting No :16)

The Board of Studies meeting was held on 19.03.2022 through online platform (MS Teams). The Chairman welcomed and outlined the changes to be made in the following for the board approval.

Item 1(a). To consider revision in the Curriculum, Scheme of Examination and Syllabi of UG /Certificate / Diploma courses and approval.

- i. To approve ratification for the award of 50 marks for Continuous Internal Assessment instead of 25 marks and 50 marks for the end semester examination instead of 75 marks for students admitted during the academic year 2021-2022, as per the notification received from the Bharathiar University.
- ii. To approve the following ratifications in the Certificate course offered by UG Biochemistry during the academic year 2021-2022.
 - All the theory papers shall be handled through online mode.
 - Practical shall be handled through offline mode
 - Project shall be submitted through offline or online
 - 25 Marks will be awarded for Internal & 75 Marks will be awarded for External Examination.
- iii. To consider revision in the curriculum, scheme of examination and syllabus which will be implemented for the students admitted during the academic year 2022-2023 and onwards.

Item 1(b). To consider revision in the Curriculum, Scheme of Examination and Syllabi of PG/ Certificate / Diploma courses and approval.

- i. To approve ratification for the award of 50 marks for Continuous Internal Assessment and 50 marks for the End semester examination as per the notification received from the Bharathiar University for the students admitted during Academic year 2021-2022.
- ii. To consider revision in the curriculum, scheme of examination and the syllabus, which will be implemented for the students admitted during the academic year 2022-2023 and onwards.

Item 2. To suggest the panel of names for appointment of examiners.

Reviewed and Updated.

As per the suggestions and recommendations given by the various Stakeholders on the above items discussed, the existing/revised the Scheme of Curriculum / Scheme of Examination / Syllabi and Panel of Examiners are to be followed is annexed herewith for the implementation from the commencement of the Academic year 2020 – 2021.

The members after careful scrutiny of the changes to be made unanimously accorded approval for the proposed changes/modifications. They also resolved to authorize the Chairman of Board of Studies to place the changes/modifications now approved by the BOS before the Standing Committee on Academic affairs and Academic Council.

The following were the changes made in both UG and PG Syllabi.

B.Sc Biochemistry

Sem.	Course code	Name of the Course	Changes made
I	22UBC101	Chemistry of Biomolecules	In Unit II, the topic “functions of Lipids” included. In Unit IV the topic Elementary treatment on structure of Proteins was renamed as Basic concepts on the structure of Proteins.
II	22UBC202	Bioanalytical Techniques	In Unit II, the topic “Mass spectrometry “was shifted to Unit IV
III	22 UBC303	Enzymes & Enzyme Technology	In Unit V the topic on “Uses of enzymes in analysis” was shifted to Unit IV
IV	22UBC404	Intermediary Metabolism	The Intermediary metabolism was shifted from semester V to semester IV.
V	22UBC505	Human Physiology & Endocrinology	The paper “Human Physiology” was renamed as Human Physiology & Endocrinology and the syllabus was completely revamped.
VI	22UBC506	Cell Biology	Cell Biology paper was shifted from semester IV to semester V and the units in Cell Biology was rearranged. The topic Tumour viruses was removed as it is already present in Microbiology
V	22UBC507	Clinical Biochemistry	The topic Glycogen storage diseases was added in Unit I

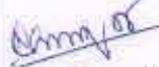
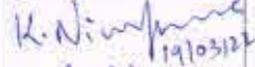
VI	22UBC611	Genetic Engineering	The topic Hypercholesterolemia was added to Unit II. Unit II, III & IV were Interchanged
III	22UBC3A3	Allied Biochemistry - I	Two topics namely Factors affecting activity and Enzyme inhibition were shortened
III	22UBC3A4	Allied Biochemistry - II	In Unit II Spectrophotometer was renamed as Visible Spectrophotometer Unit III Topic SDS PAGE was removed
V	22UBC5X1	EDC- Human Diseases and Health care	Introduced Instead of EDC- Diagnostic Biochemistry
Even	-	Certificate Course in Mushroom Technology	The Syllabus was completely revamped.

M.Sc Biochemistry

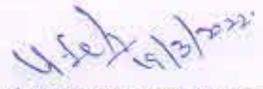
Sem.	Course code	Name of the Course	Changes made
I	22PBC101	C.P.1 Biomolecules and Biopolymers	Change of the title from Biomolecules to Biomolecules and Biopolymers. Starch, cellulose and glycogen has been included in unit I. Inulin, fructans, xylan and cyclodextran removed unit I. Unit II was completely changed.
I	22PBC102	C.P.2 Bioanalytical Techniques	The syllabus was completely revamped
I	22PBC103	C.P.3 Enzymes and Enzyme Technology	The syllabus was completely revamped
I	22PBC104	C.P.4 Cellular Biochemistry	The syllabus was completely revamped
II	22PBC205	C.P.5 Plant Biochemistry	The title of the paper was changed from plant Biochemistry and Biotechnology to plant biochemistry. The syllabus was completely revamped
II	22PBC206	C.P.6 Metabolism and Metabolic Regulation	The syllabus was completely revamped
II	22PBC207	C.P.7 Molecular Biology	Change of the title from Genetics and molecular biology to molecular biology. The syllabus was completely revamped
II	22PBC208	C.P.8 Drug Biochemistry	The syllabus was completely revamped
III	22PBC309	C.P.9 Advanced immunology and immunological techniques	Change of the title from immunology to Advanced immunology and immunological techniques. The syllabus was completely revamped
III	22PBC310	C.P.10 Genetic Engineering	The syllabus was completely

			revamped
III	22PBC311	C.P.11 Advanced Clinical Biochemistry	Title of the paper is changed to Advanced clinical biochemistry. Full paper was changed according to BOS committee member's suggestions.
IV	22PBC412	C.P.12 Hormonal Biochemistry	Unit I and Unit II was completely changed.
IV	22PBC413	C.P.13 Biostatistics and Research Methodology	Measure of variation - range, quartile deviation, mean deviation, standard deviation, Coefficient of variation. Student's "t" distribution and its applications in unit IV has been included

Signature of the Board Members

S.No.	Name	Designation	Signature
1.	Chair person Dr.V.Selvi	Associate Professor & Head of the Department	 19/03/22
2.	Members of Faculty of the Department (UG)		
	1.Dr.Indira A Jayraaj	Associate Professor	
	2.Dr.R.T. Narendhirakannan	Assistant Professor	
	3. Dr. K.Nirubama	Assistant Professor	 19/03/22
	4. Dr.M.Santhoshkumar	Assistant Professor	 19/03/22
	Members of Faculty of the Department (PG)		
	1.DR. R.Venkatesh	Assistant Professor	 19/03/22
	2.Dr. J.Anitha	Assistant Professor	 19/03/22
	3.Dr. P.Gowtham	Assistant Professor	 19/03/22
	4.Sr.s.Monisha	Assistant Professor	
3.	University Nominee Dr.B.Raghavan	Associate Professor & Head Avinashi Road, Civil Aerodrome Post, Coimbatore 641014. Mobile : 9942059503 Mail Id: ragav13psg@gmail.com	Leave of Absence
4.	Subject Experts		
	1. Dr. M.Suriyavadhana	Associate Professor Periyar University Salem 636011 Mobile: 9894329286 Mail Id: suriyavedha@yahoo.co.in	

	<p>2. Dr. N.Vijayakumar</p>	<p>Assistant Professor Annamalai University Annamalai Nagar Chidambaram 608002 Mobile: 9542574258 Mail Id: nvkbiochem@yahoo.co.in</p>	
<p>5</p>	<p>Alumni Member Dr. T. Sathishkumar</p>	<p>Assistant Professor III Kumaraguru College of Technology Coimbatore 641049 Mobile: 9940851782 Mail Id: sathishkumar.t.bt@kct.ac.in</p>	
<p>6</p>	<p>Industrial Member Mr.V. Balaji</p>	<p>Managing Director Gaaleon Pharmaceuticals Balaji Gardens G.N.Mills Post Coimbatore 641049 Mobile:9443504405 Mail Id: galabio07@reddifmail.com</p>	
<p>7</p>	<p>Student Nominee (PG) P.J.Sherin (202BC003) Student Nominee (UG) M. Anushya (191BC001)</p>	<p>II MSc Biochemistry Kongunadu Arts and Science College Coimbatore 641029 III BSc Biochemistry Kongunadu Arts and Science College Coimbatore 641029</p>	 


 Signature of the Chairman of the Board
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 Associate Professor & Head
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