

Kongunadu Arts and Science College (Autonomous)
Coimbatore 641029

Department of Biochemistry (PG and Research)

Minutes of the Board of Studies:

The Board of Studies meeting was held on 29/02/2020. The Chairman welcomed and outlined the changes to be made in the following for the board approval.

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

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

Item 3. Other academic activities in the department.

As per the suggestions and recommendations given by the 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.

Sem.	Course code	Name of the Course	Changes made
I	19PBC101	C.P1. Biomolecules	Blood group substances has been included in unit I. Amino acid sequencing method and triplet codons was incorporated and removed electrophoresis in unit II. Included types of phospholipids with suitable examples in unit IV.
I	19PBC102	C.P.2. Bioanalytical techniques	Included Ion selective electrode in unit III and Nano drop techniques in unit IV.
I	19PBC103	C.P.3. Enzymes and Enzyme technology	Enzymes in molecular biology (Reverse transcriptase, Restriction endonuclease) has been included in unit V.
I	19PBC104	C.P.4. Cell Biology	Chromosomes in detail in unit III has been included and incorporated the transport of proteins into ER in unit I and transport of proteins into mitochondria in unit IV.
I	19PBC1CL	C.Pr.1 Lab in Biomolecules, Bioinstrumentation, Enzymology and Cell Biology	In all the estimation procedures included the method name. Removed determination of ALT and LDH and included estimation of phospholipids from any source. Cell counting is shifted to core practical 3..
II	19PBC205	C.P.5 Plant biochemistry and Biotechnology	Included carbon, sulphur, and phosphorous metabolism in unit II. Incorporated repellents and attractants structure and role, shikimate pathway flow chart only and included biosynthesis and functions of alkaloids, phenolics, terpenoids and tannins in unit IV.
II	19PBC208	C.P.8 Drug Biochemistry	Removed the methods of

II	19PBC2CM	C.Pr.2 Lab in Plant Biochemistry, Microbiology, Genetics and Molecular Biology.	<p>administration and include the merits and demerits in unit I. Write adverse effects in common and mention the drug names in unit II. Include Taxol in steroid hormones and in steroid hormones and plant based therapeutics in unit V.</p> <p>Removed the word Microbiology from the title and also removed the techniques from the syllabus. Included the method names followed in the experimental procedure and substituted with the following assays such as SOD, Catalase, Peroxidase, GSH and LPO (TBA) method.</p>
III	19PBC310	C.P.10 Genetic Engineering	<p>1. Has been shifted to fourth semester from third semester 2. Removed the following topics- Hypercholesterolemia, Haemophilia, ADA deficiency (SCID) and cystic fibrosis in unit V.</p>
III	19PBC312	C.P.12 Clinical Biochemistry	<p>Instead of the following topics “Clinical significance of urinary components with reference to sugars, proteins, ketone bodies, bilirubin and porphyrins substitute Microscopic examination of urine, abnormal and normal constituent of urine”. Change to be done as normal and abnormal constituents of urine sample and their detection in unit I. Quality control in clinical laboratory has been removed and elaborate it as quality control – computerization, Data management, standard error and accuracy of the result. In unit III, after cardiac</p>

III	19PBC3CN	C.Pr.3 Lab in Immunology, Genetic engineering and Clinical Biochemistry	<p>markers included Kidney markers – carbonic anhydrase, urea, creatinine and uric acid.</p> <p>Title has to be modified as Lab in Immunology, Molecular Techniques and Clinical Biochemistry. Practical No. 19 has to be removed and include albumin, protein (AG) ratio, Assay of ALP or ACP (Fiske Subbarow method). RBC and WBC count in immunology was included.</p>
III	20PBC3X1	Extrdepartmental course- Nutritional biochemistry has been included	<p>1. New syllabus has been framed. In unit V junk foods and processed foods and its effects, obesity (Before diabetes) has been included.</p>
IV	19PBC413	C.P.13 Biostatistics and Research Methodology	<p>In unit IV, standard deviation, mean deviation, quartile deviation before ANOVA topics were included. Include Student ‘t’ test, Chi square test after ANOVA topic.</p>
III	19PBC0D2	Nutraceuticals and Functional foods	<p>In unit V, beta carotene after spirulina has been included.</p>
IV	19PBC105	C.P.5. Hormonal Biochemistry	<p>Has been shifted to fourth semester from first semester</p>
II	19PBC2E2	E.P.1.Major elective I	<p>Has been shifted to first semester from second semester</p>
IV	19PBC4E2	E.P.2. Major elective II	<p>Has been shifted to second semester from fourth semester</p>
IV	19PBC4Z1	Project and Viva voce	<p>100 marks has been allotted instead of 200.</p>

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Other Academic Activities:

- Extension activities and field are encouraged
- Frequent library visit.

Signature of the Board Members

S.No.	Name	Designation	Signature
1	Dr. K. Surekha (Chairman)	Associate Professor and Head (i/c), Department of Biochemistry, Kongunadu Arts and Science College, Coimbatore - 641029	
2	Dr. M. Nithya Devi (Member)	Associate Professor, Department of Biochemistry, Kongunadu Arts and Science College, Coimbatore - 641029	
3	Dr. S. Viswanathan (Member)	Assistant Professor, Department of Biochemistry, Kongunadu Arts and Science College, Coimbatore - 641029	
4	Dr. V. Nandhini (University Nominee)	Associate Professor & Head, Department of Biochemistry, CMS College of Science and Commerce, Coimbatore	
5	Dr. B. Ragavan (Subject Expert – Academic Council)	Associate Professor & Head, Department of Biochemistry, PSG College of Arts and Science, Coimbatore - 641014	
6	Dr. K. Devaki (Subject Expert – Academic Council)	Professor and Head, Department of Biochemistry Karpagam University, Coimbatore - 641021	
7	Dr. U. Devaki (Industrial Expert)	Serology HOD, Microbiological laboratory, Coimbatore - 641002	
8	Dr. K. Gurusamy (Alumni)	Assistant Professor, Department of Biochemistry, Horticulture college and Research Institute for Women, Navalur Kuttapattu, Trichy - 620027	
9	Ms. K. P. Anju (Student Nominee)	II M.Sc Biochemistry, Kongunadu Arts and Science College, Coimbatore – 641029	

Signature of the Chairman of the Board