



# **KONGU ARTS AND SCIENCE COLLEGE**

**(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)**

**ERODE – 638 107**

**Department of Biotechnology**



**KONGU ARTS AND SCIENCE COLLEGE**  
(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)  
Nanjanapuram, Erode – 638 107.



**DEPARTMENT OF BIOTECHNOLOGY**


**BOARD OF STUDIES MEETING**

**AGENDA**

**DATE: 24.02.2018**

1. To consider and approve the syllabi for the students admitted during the academic year 2016-2017, 2017-2018 and 2018-2019 onwards.
2. To consider and approve the Syllabi for Non Major Electives for III and IV Semesters for UG students admitted during the year 2017-18 and onwards
3. To consider and approve the Panel of Examiners.
4. To consider and discuss any other subjects with the permission of the chair.



  
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Affiliated to Bharathiar University, Coimbatore  
Approved by UGC, AICTE, New Delhi & Re accredited by NAAC  
(AN ISO 9001: 2015 Certified Institution)  
Nanjanapuram, Erode – 638 107



The meeting of the Board of Studies in Biotechnology UG was conducted on 24.02.2018  
at 10.15 a.m.in the College Campus.

The following members were present:

Chairman : Dr.C.Deepa

Members :

1. Ms. R.S.Cindhu
2. Mr.M.Manikandan
3. Dr.P.Rani
4. Dr.S.Johnson Retnaraj Samuel
5. Dr.R.Sathishkumar
6. Ms.K.Sri Durga




  
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Subject related to CBCS, Outcome based Syllabus, Advanced Learners Course, Extra credits and Non-Major Electives were discussed and the following are the resolutions:

1. It is resolved to approve the Scheme of Examination and new Syllabi of III & IV Semesters for the B.Sc Biotechnology students admitted during the year 2017– 2018 and onwards. **(Annexure a & b)**
2. There is no change in the Syllabi of I and II Semesters for the B.Sc Biotechnology students admitted during the year 2018 – 2019 and onwards.
3. There is no change in the Syllabi of V and VI Semesters for the B.Sc Biotechnology students admitted during the year 2016 – 2017 and onwards.
4. There is a modification in the Syllabi of III and IV Semesters for the B.Sc Biotechnology students admitted during the year 2017 – 2018 and onwards.
5. It is resolved to approve the Syllabi and Extra Credits for the Advanced Learners for the IV Semester for UG students who have been admitted during the academic year 2017 – 2018 and onwards.
6. It is resolved to approve the Syllabi for Non Major Electives for III and IV Semesters for UG students admitted during the year 2017-18 and onwards.
7. It is resolved to approve the Question Paper Pattern for Non Major Elective course for the students admitted during the year 2017-18 and onwards. **(Annexure –I)**
8. It is resolved to approve the additional name for Panel of Members for Question Paper Setting and Central Valuation. **(Annexure –II)**



  
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**Details of Modifications in the Courses offered under the Programme****B.Sc. Biotechnology**

The following modifications are adopted in the curriculum and syllabi of III and IV Semesters for the B.Sc. Biotechnology students admitted during the year 2017 - 2018 and onwards based on the feedback obtained from Stakeholders and recommendations of the BOS Panel Members.

- The following Non-Major Elective Courses are introduced newly in the III and IV Semesters for the UG students.
  - III Semester - Basics of Human Health and Nutrition (17UAQNT305)
  - IV Semester - Health Management and Fitness (17UAQNT406)
- The Skill based course (Semester IV) name of the Physiopathology (15UAQST405) can be given as Physiopathology for Medical Transcription (15UAQST405).
- The advanced learner course Enzyme Technology (15UAQAL407) course syllabi can be divided as two units for fundamental concepts and three units of recent technologies.
- Project for final year students can be made as compulsory for 2017-2018 admitted students.

The topic wise Modifications in the courses are given in the **annexure b**.




  
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## Details of Modifications with specific topics in the Syllabus with % Revision

## B.Sc. Biotechnology

S.No.	Course Name	Course Code	Topics Introduced	Topics Removed	% of Revision
1	Biochemistry	17UAQCT301	Unit -I to Unit – V are introduced		100 %
2	Genetics	17UAQCT302	Unit -I to Unit – V are introduced		100 %
3	Biomathematics	17UAQAT303	Unit – III: Statistics  Unit - IV: Geometric Mean and Harmonic Mean (simple problems only). Measures of Dispersion: Range, Quartile Deviation, Standard Deviation and Co-efficient of Variation. Unit - V: Correlation: Meaning– Scatter Diagram-Karl Pearson's Co-efficient of Correlation-Spearman's Rank Correlation. Regression Analysis: Meaning of Regression–Regression in Two Variables- Difference between Correlation and Regression.	Unit – III: Trigonometry	75 %
4	Skill Based Subject-I Lab in Quality Control Techniques	17UAQSP304	1 Introduction to safety standards-Theory 2 Determination of iodine and saponification value of oil 3 Determination of adulterant in oils 4 Determination of adulterant in milk products	1. Antibacterial activity of Fruit Extract 2. Quantitative Estimation of carbohydrates in pulses . Quantitative Estimation of protein in pulses	50 %
5	Molecular Biology	17UAQCT401	Unit -I to Unit – V are introduced		100 %




  
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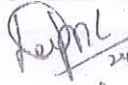
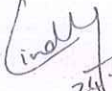
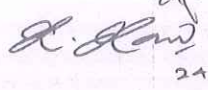
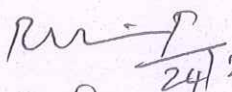
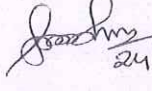

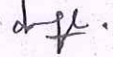
6	Lab in Biochemistry	17UAQCP402	11 Experiments are introduced	100 %
7	Computer and Information Technology	17UAQAT403	Unit -I to Unit – V are introduced	100 %
8	Computer and Information Technology	17UAQAP404	12 Experiments are introduced	100 %

- In overall, there had been a 18 % of revision in the syllabus of the B. Sc., Biotechnology programme.




  
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All the above resolutions are approved.

1.  24/2/18
2. R.S.  24/2/18
3.  24/2/18
4.  24/2/18
5.  24/2/18 (Dr. S. Johnson Penuj Samuel)
6.  24/2/18
7. K.L.  24/2/18



  
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