



KONGU ARTS AND SCIENCE COLLEGE

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

ERODE – 638 107

Department of Biotechnology



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(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Nanjanapuram, Erode – 638 107.



DEPARTMENT OF BIOTECHNOLOGY

BOARD OF STUDIES MEETING

AGENDA

DATE: 26.03.2021

1. To consider and approve the Scheme and Syllabi for the students admitted during the academic year 2019 – 2020, 2020-2021 and 2021-2022 and onwards.
2. To consider and approve the new course Professional English of I and II Semesters for the students admitted during the academic year 2021-2022 and onwards.
3. To consider and approve the new pattern of question papers for the academic year 2021 – 2022 and onwards.
4. To consider and approve the Panel of Examiners.
5. To consider and discuss any other subjects with the permission of the chair.



Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107



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The meeting of the Board of Studies in Biotechnology (UG) was conducted on 26.03.2021 at 02.30 p.m. through Google Meet.

The following members were present:

Chairman : Dr. C. Deepa

Members :

1. Dr.Prabhakaran

2. Dr.P.Rani

3. Mrs. G.Veena

4. Ms.G.Ramya

5. Ms. M. Monisha

6. Ms R. S. Cindhu

7. Ms. R. Sridevi

8. Ms. K. Preethi

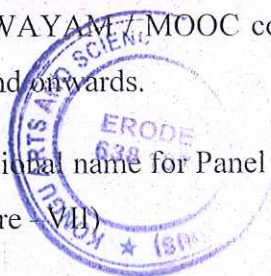
9. Dr. S. Indhu



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Subject related to CBCS, Outcome based Syllabus, Credit Systems, Continuous Internal Assessment, End Semester Examinations and Panel of Examiners was discussed and the following are the resolutions:

1. It is resolved to approve
 - a. there is a change in the Scheme of Examination and Syllabi of I and II Semesters for the B.Sc., Biotechnology students admitted during the academic year 2021 – 2022 and onwards (Modifications are listed) (**Annexure a & b**).
 - b. there is no change in the Scheme of Examination and Syllabi of III and IV Semesters for the B.Sc., Biotechnology students admitted during the academic year 2020 – 2021 and onwards.
 - c. the syllabi of 2018-2019 batch of V and VI semesters is followed for the B.Sc., Biotechnology students admitted during the academic year 2019-2020 and onwards.
2. It is resolved to follow the norms of TANSCHER to incorporate Professional English I and II under part III for the students to be admitted during the academic year 2021-2022 and onwards.
3. It is resolved to approve the new question paper pattern to be followed during the academic year 2021 – 2022 and onwards. (Annexure –I and II)
4. It is resolved to approve the procedure of taking the average marks of both First and Second Internal tests for Continuous Internal Assessment to be admitted from the academic year 2021-2022 and onwards. (Annexure -III)
5. It is resolved to approve the changes made in CIA marks for attendance for the students to be admitted during the academic year 2021-2022 and onwards. (Annexure -IV)
6. It is resolved to approve to have a grade system for Internship/Institutional training for the UG Programme to be admitted from the academic year 2021-2022 and onwards. (Annexure -V)
7. It is resolved to approve the marks distribution for the Extension Activities for the Semesters for the B.Sc., Biotechnology students admitted during the academic year 2021 – 2022 and onwards. (Annexure -VI)
8. Extra credits will be awarded minimum 1 credit and maximum of 2 credits to the students who have completed 4 weeks SWAYAM / MOOC courses for the students admitted during the academic year 2021 – 2022 and onwards.
9. It is resolved to approve the additional name for Panel of Members for Question Paper Setting and Central Valuation. (Annexure -VII)



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

The following modifications are done in the Syllabi of I and II Semesters for the B.Sc., Biotechnology students admitted during the academic year 2021-2022 and onwards based on the feedback obtained from Stakeholders and recommendations of the BOS Panel Members.

- The following Core courses are introduced newly in the I and II semesters for the UG students (**Annexure b**).
 - Semester I - Core Paper I - Professional English I (21UAQCT101)
 - Semester I - Core Paper II - Cell Biology and Genetics (21UAQCT102)
 - Semester II - Core Paper III – Professional English II (21UAQCT201)
 - Semester II - Core Paper IV - Biochemistry (21UAQCP202)

Modification in core courses in the syllabi of I and II semesters (B.Sc., Biotechnology) has been done and the same is provided in the table. **Annexure b**

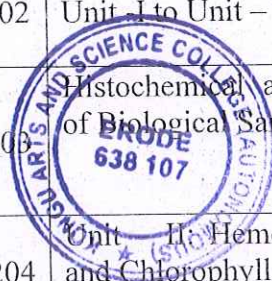



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Details of Modifications with specific topics in the Syllabus with % Revision

B.Sc., Biotechnology

S.No.	Course Name	Course Code	Topics Introduced	Topics Removed	% of Revision
1	Core Paper I - Professional English I	21UAQCT101	Unit -I to Unit – V are introduced		100 %
2	Core Paper II - Cell Biology and Genetics	21UAQCT102	Unit -I to Unit – V are introduced		100 %
3	Allied I: Chemistry - I	21UAQAT103	<p>Unit I: Laboratory principles: Safety and Hygiene in the Chemistry Lab: Storage and Handling of Chemicals. Antidotes and First Aid procedures in chemistry lab.</p> <p>Nuclear Chemistry: Definition of Atoms, Molecules, Proton, Neutron, Electron, Atomic weight, Atomic number, Isotopes, Isobars, Isotones, Nuclear Fusion and Nuclear Fission.</p> <p>Unit – II: Fertilizers: Preparation and uses of Ammonium Sulphate, Ammonium Nitrate, Urea and Triple Super Phosphate.</p> <p>Unit – IV: Solutions and Chemical kinetics</p> <p>Unit – V: Photochemistry and Metallic chemistry</p>	<p>Unit I: Atomic structure: Definition of Atoms, Molecules, Atomic particles- Proton, Neutron and Electron, Atomic weight, Atomic number. Isotopes, Isobars and Isotones.</p> <p>Interhalogen Compounds: Preparation, properties, structure and uses of Iodine mono Chloride (ICl). Basic properties of Iodine.</p> <p>Unit II: Synthetic Polymers: Preparation, Properties, Advantages, Disadvantages and Uses of Poly Vinyl Chloride (PVC) and Teflon.</p> <p>UNIT IV: Agricultural Chemistry</p> <p>UNIT V: Solutions and Chemical Kinetics</p>	70 %
4	Core Paper III – Professional English II	21UAQCT201	Unit -I to Unit – V are introduced		100 %
5	Core Paper IV - Biochemistry	21UAQCP202	Unit -I to Unit – V are introduced		100 %
6	Core Practicals I – Lab in Cell Biology and Biochemistry	21UAQCP203	Histochemical analysis of Biological Samples		
7	Allied II - Chemistry Paper II	21UAQAT204	<p>Unit - II: Hemoglobin and Chlorophyll.</p> <p>Unit – III: Definition of</p>	<p>Unit I: Laboratory principles: Safety and Hygiene in the Chemistry</p>	10 %



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



			Aromaticity, Huckel's rule, Heterocyclic Compounds: Preparation and Properties of Pyrrole and Furan. Unit IV: System (Open, Closed & Isolated), Surroundings, Spontaneous Process	Lab: Storage and Handling of Chemicals - Acids, Ethers, Toxic and Poisonous chemicals. Antidotes and First Aid procedures Unit IV: Spontaneous Process	
8	Allied Practicals I – Chemistry Practicals	21UAQAP205	Estimation of Calcium of Magnesium Determination of Hardness of Water using EDTA	Estimation of Oxalic acid using Standard Ferrous sulphate. Estimation of Potassium permanganate using Standard Sodium hydroxide.	15 %

- In overall, there had been a 13 % of revision in the syllabus of the B. Sc., Biotechnology programme.




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All the above resolutions are approved.

1.  26/3/2021
- 2.
- 3.
- 4.
- 5.
- 6.
7. R. S.  26/3/21
8.  26/3/21.
9. K. P. 
10.  26/3/21




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