

SCOTT CHRISTIAN COLLEGE [AUTONOMOUS]

NAGERCOIL-3



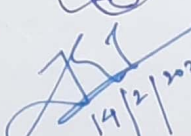
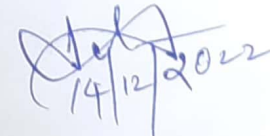

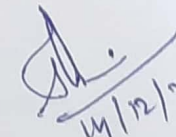
Department of Microbiology

Minutes of the Board of Studies meeting held on 14/12/2022.

Board of Studies meeting for the academic year, 2022-23 was held on 14/12/2022 at 2.00 P.M.

Venue: UG Microbiology Laboratory.

The following members attended the meeting

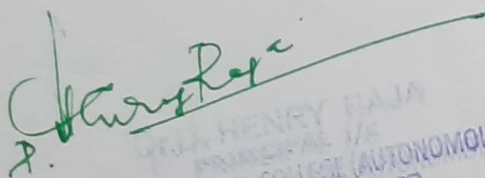
1. Dr. Raja Brintha  14/12/2022
2. Dr. G. Ganga  14/12/2022
3. Dr. K. Jenitha  14/12/2022
4. Dr. D.K. Helensheeba  14/12/2022
5. Dr. P. Jasmine Beula 
6. Dr. C.R. Shalini mol.  14/12/2022

Dr. D. HENRY RAJA  
PRINCIPAL I/O  
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)  
NAGERCOIL-629 003

for 

The following were the discussions made in the meeting

1. Instead of an elective paper in semester VI for III UG, it was resolved to have a group project and submit the report in a bound form to have the rules of a dissertation.
2. As the core paper XII Genetic Engineering and Microbial Biotechnology was too vast, to be delivered for III UG, it was resolved to delete certain topics.
  - IPR was deleted and added in core paper XI Food and Industrial Microbiology
  - Artificial gene transfer methods to be stated in Unit II
  - In unit V, Human growth hormone, Bt brinjal, GEMS, biosensors and bioremediation to be deleted. bioremediation to be added on Environmental Microbiology.
3. In core paper XI Food and Industrial Microbiology, Downstream processing methods to be added in Unit V. Instead of strain development it was denoted as strain improvement.
4. In the practical aspects of Food and Industrial Microbiology Quality checking of Ice creams, sip-ups, frozen food, canned food, production of vinegar and products of protease to be added, Instead of Bioethanol production.
5. In the core paper V, Cell Biology, Prokaryotes and Eukaryotes with their characters and differences alone to be added and the detailed description on Prokaryotes and Eukaryotes not be added in Unit I
  - Cell wall of Prokaryotes and Eukaryotes to be deleted in Unit II and vesicular transport also to be deleted.
  - In Unit III Nucleolus, Nuclear membrane were deleted of in organization of chromosomes-structure is added and types of chromosomes and Giant chromosomes-polytene chromosome, Lamp brush Chromosome are added.
  - In Unit IV intracellular pathways are deleted and intercellular signalling pathways are added namely Autocrine, paracrine, Endocrine, Juxtacrine
  - In Unit V Cell cycle and the check points-G1 check point, G2 check point and spindle check point.



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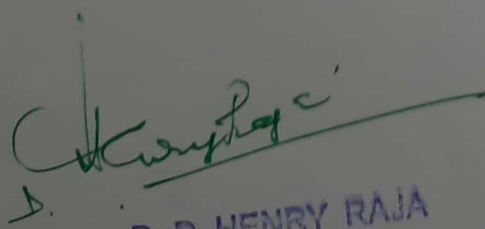
- In Unit V Proto oncogenes-examples-types, functions were added and development of cancer, causes and types were deleted. Oncogene-Malignant formation were added
6. In core practical XII, Isolation of Genomic DNA from *E. Coli* was added, Estimation of DNA and estimation of RNA was also added degradation of Xenobiotics, microbes in mineral recovery, heavy metals removal was deleted
  7. In core practical V, study of divisional stages in meiosis was deleted, Microscopic observation of Fungi was also deleted.
    - Microscopic observation of blood cells, Eosinophils, Basophils, Neutrophils, was added. Giemsa staining technique to be added.
  8. The complete syllabus of core paper XIII was resolved to be restricted and send the mail to external experts with the concern of the department staff members.
  9. In the Skill based elective paper of semester VI OF III UG degree program Rye bread and San Francisco bread was added and Wheat bread and multigrain bread was added. Cheese, fish pickles, paneer was added in unit II.
 

In Unit IV, Consumable fruits based products like Jams. Ketchups, squash-Grapes, pineapple and Mango. Gulkand and the unit V content were shifted to Unit-IV. Indian alcoholic beverages were deleted. Wine from fruits were included beer deleted.

In unit V, patenting was rescheduled.

No changes were made in the PG curricular and syllabus.

The meeting came to an end with a vote of thanks by the Head of the Department.



Dr. D. HENRY RAJA  
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