

**GIST OF THE PORTION OF THE SYLLABUS TAUGHT IN BOTANY HONOURS UG SEMESTER I,
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PAPER: CC I

MICROBIOLOGY

- Study of Bacterial cell structure under Electron Microscope, exemplified with detailed concept of typical Eubacterial cell
- Concept of Bacterial reproduction in details including asexual reproduction , detailed study of genetic recombination
- Study of plant viruses with reference to Tobacco mosaic virus, its replication and structure
- Concept of bacteriophage, its structure replication and types in detail
- Brief account of Mycoplasma, its structure and types
- Economic importance of bacteria in brief and use of bacteria in N₂-fixation.

PAPER: CC II

BRYOPHYTA

- Study of progressive sterilization in Bryophyta with reference to Riccia, Anthoceros, Funaria and Sphagnum
- Study of vegetative reproduction in the members of Bryophyta
- Economic importance of Bryophyta with reference to Sphagnum.

SUBMITTED BY:

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