

**IMPORTANT QUESTIONS FOR TEE JUNE 2024**

**BACHELORS OF SCIENCE (GENERAL) (BSCG)**

**BBYCT 131 Microbiology**

1. Describe the life cycle in nannandrous species of Oedogonium.
2. Discuss the role of bryophytes as ecological indicators.
3. Differentiate between DNA viruses from RNA viruses with the help of suitable diagram.
4. Discuss the biological significance of heterospory in pteridophytes.
5. Enumerate the unifying characteristics of archegoniates.
6. Differentiate between Flagella and Pili
7. Differentiate between Root of Cycas and Pinus
8. Discuss the mechanism of transformation in bacteria with appropriate example and diagram
9. Discuss the biological significance of heterospory.
10. Enumerate the medicinal value of Gymnosperms.
11. Describe the important uses of lichens

Diagrams:

- Formation of palmella stage in Chlamydomonas
- L.S. of male cone of Pinus
- Life Cycle of Fucus
- Sexual reproduction in Marchantia
- Vertical section of thallus of crustose lichen
- An asexual fruiting body of Penicillium
- T.S. of needle of Pinus
- T.S. of stem of Selaginella