

BSc BEd Semester I Examination, 2020

Subject- Botany

Course: GE 1.1 / GE 2.1

Time- 2hrs

Full Marks 50

Candidates are required to give their answers in their own words as far as practicable.

Answer any ten questions from the following:

5 x 10 = 50

1. Differentiate between Archaeobacteria and Eubacteria. [5]
2. Explain these terms briefly: (a). Conjugation and (b). Transduction. [2.5+2.5=5]
3. What is auxospore? What is akinete? [2.5+2.5=5]
4. What is tetrasporophyte? What is trichogyne? Define prions. [2+2+1=5]
5. Write a brief note on application of fungi in food industry. [5]
6. Explain “heterokaryosis” in details. [5]
7. What are the general characteristics of bryophytes? [5]
8. Write down the external features of the plant body of *Marchantia* along with proper diagrams.[5]
9. Diagrammatically represent the life cycle of *Anthoceros* sp. [5]
10. Elucidate the structure of *Rhynia* and very briefly mention its phylogenetic importance. [5]
11. Write a short note on stelar evolution. [5]
12. What is trabeculae? Mention the morphological nature of rhizophore of *Selaginella* sp. [2+3=5]