

B Sc B Ed Sem I Examination 2020

Subject: Botany

Course: CC - 1

Full Marks: 50

Time : 2 Hrs

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

Answer **any ten** questions from the following:

1. Differentiate between lytic cycle and lysogenic cycle. [5]
2. Illustrate the characteristic features of mycoplasma. [5]
3. Describe precisely Baltimore's classification system of viruses. [5]
4. State the major functions of heterocyst. [5]
5. Explain briefly the cell structure of diatoms along with labeled diagrams (cell wall only). [5]
6. What is meant by "Gaidukov phenomenon"? Define viroid. [3+2=5]
7. Write a short note on "Parasexuality". [5]
8. Schematically represent the classification of fungi as proposed by Ainsworth (1973). [5]
9. Elucidate different types of ascocarps (that are found in Ascomycotina). [5]
10. Write a comparative account of the sporophytes of *Marchantia* and *Anthoceros*. [5]
11. What is being termed as "Heterospory"? Mention the importance of Heterospory. [2+3=5]
12. Write a short note on mycotoxins. [5]