

22U210

(Pages: 2)

Name:

Reg.No:

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U BOT2 C02 - CRYPTOGAMS, GYMNOSPERMS AND PLANT PATHOLOGY

(Botany - Complementary Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Differentiate between autotrophic and heterotrophic mode of nutrition in bacteria.
2. Explain the structure of a Nostoc filament.
3. What is the evolutionary significance of algae?
4. Comment on receptacle of Sargassum.
5. What is carpogonium?
6. Write the classification of Alexopoulos upto subdivision.
7. Differentiate soredia and isidia.
8. Describe scales and rhizoids in Riccia.
9. Describe the rhizophore of Selaginella.
10. Describe the structure of strobilus in Selaginella.
11. Give a brief account of Cycas coralloid root.
12. List out the important symptoms of Leaf mosaic disease of Tapioca.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Write notes on economic importance of bacteria.
14. Discuss the important features of Ascomycotina and Basidiomycotina.
15. Give the structure of Teleutosorus of Puccinia.
16. Explain the general characters of pteridophytes.
17. Give a brief account of the ovule bearing structure of Cycas.

18. Name the pathogen, symptoms and control measures of Citrus canker.
19. Name the pathogen, symptoms and control measures of Blast of paddy.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Explain the reproduction of bacteria with suitable diagrams.
21. Describe the structure and reproduction in Spirogyra. Draw labeled diagrams.

(1 × 10 = 10 Marks)
