

**23U210**

(Pages: 2)

Name: .....

Reg.No: .....

**SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2024**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19P 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. Define monotrichous bacteria.
2. What is transformation in bacteria?
3. Write a note on algal pigments.
4. Describe the cell structure of Spirogyra.
5. Describe the tetrasporophyte in Polysiphonia.
6. Write the classification of Alexopoulos upto subdivision.
7. Write a note on fungal nutrition.
8. What is heterospory? Give an example.
9. Write an account of the leaves in Selaginella.
10. What is alternation of generations?
11. Write a note on the seed of Cycas.
12. Enumerate the important control measures of Citrus canker.

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

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

13. Is virus living or nonliving? Substantiate.
14. Describe the receptacle of Sargassum.
15. Distinguish between Ascomycota and Basidiomycota.
16. With the help of a labelled diagram explain the anatomy of Riccia thallus.

17. Explain heterospory and seed habit on Selaginella.
18. Name the pathogen, symptoms and control measures of Leaf mosaic of Tapioca.
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. Write an essay on the general characters of Cyanobacteria with special reference to Nostoc.
21. What are Lichens? Explain the economic importance of Lichens with reference to Usnea.

**(1 × 10 = 10 Marks)**

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