

20U210

(Pages: 2)

Name: .....

Reg.No: .....

**SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2021**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U BOT2 C02 - CRYPTOGAMS, GYMNOSPERMS & PLANT PATHOLOGY**

(Botany - Complementary Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

*Draw diagram only when specified.*

**Part A (Short answer questions)**

Answer all question. Each question carries 2 marks.

1. Differentiate between amphitrichous and atrichous bacteria.
2. What is conjugation in bacteria?
3. What are conceptacles? What is its function?
4. Write the fungal classification of Alexopoulos upto subdivision.
5. List any two characteristic features of Mastgomycotina.
6. Write a note on fungal nutrition.
7. What is apothecium? Give an example.
8. What is heterospory? Give an example.
9. Describe the rhizophore of Selaginella.
10. Briefly describe the heterospory and seed habit in Selaginella.
11. Write a note on the seed of Cycas.

12. List the symptoms of Citrus canker.

**(Ceiling: 20 Marks)**

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

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

13. Explain how bacteria are beneficial to man.

14. Explain the evolutionary significance of algae?

15. Briefly explain the post fertilization changes in Polysiphonia.

16. Give an account of the sporophyte of Riccia.

17. Describe the morphological characters of Cycas megasporophyll with a labelled diagram.

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. Each question carries 10 marks.

20. Give a general account of virus with special reference to the structure of bacteriophage.

21. With the help of labeled diagrams describe the life history of Spirogyra.

**(1 × 10 = 10 Marks)**

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