

21U210

(Pages: 2)

Name: .....

Reg.No: .....

**SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2022**

(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

**Part A** (Short answer questions)

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

1. Give a general account on viruses.
2. Define peritrichous bacteria.
3. What is the evolutionary significance of algae?
4. Give an account of morphology of Sargassum thallus.
5. Describe the tetrasporophyte in Polysiphonia.
6. Write the classification of Alexopoulos upto subdivision.
7. List any two characteristic features of Mastigomycotina.
8. What is heterospory? Give an example.
9. Name two different species of Selaginella.
10. Heterospory and seed habit in Selaginella.
11. Give a brief account of the megasporophyll of Cycas.
12. Write down the control measures of Leaf mosaic of Tapioca.

**(Ceiling: 20 Marks)**

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

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

13. With the help of neat diagram describe transduction in bacteria.
14. Describe the general characters of Chlorophyceae.

15. Write a note on ecological significance of lichen.
16. Write the morphology and life history of Riccia.
17. Write notes on the general morphological features 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. Write an essay on the general characters of Cyanobacteria with special reference to Nostoc.
21. With the help of suitable diagrams describe the stages of life cycle of Puccinia.

**(1 × 10 = 10 Marks)**

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