

25U210S

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Name:

Reg.No:

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2026

(CBCSS - UG)

CC19UBOT2C02 - CRYPTOGRAMS, GYMNOSPERMS AND PLANT PATHOLOGY

(Botany - Complementary Course)

(2019 to 2023 Admissions - Supplementary)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Explain the classification of bacteria based on flagella.
2. What is the role of pili in bacteria?
3. List the applications of bacteria in industry.
4. Define Cyanobacteria. Give an example.
5. Briefly explain lateral conjugation in Spirogyra.
6. Describe the tetrasporophyte in Polysiphonia.
7. List any two characteristic features of Mastigomycotina.
8. Differentiate soredia and isidia.
9. Comment on morphology of Riccia.
10. Write down the control measures of Leaf mosaic of Tapioca.
11. Enumerate the important control measures of Citrus canker.
12. List the symptoms of Blast of paddy.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Explain sexual reproduction in algae.
14. What are the distinguishing features of Ascomycotina and Basidiomycotina?
15. Give the structure of Teleutospore of Puccinia.
16. Write about the important characters of pteridophytes.
17. Explain the external morphology of Selaginella plant.

18. Write notes on the general morphological features of *Cycas*.
19. Describe the structure of megasporophyll in *Cycas*.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Give a general account of virus with special reference to the structure of bacteriophage.
21. With the help of schematic diagram explain the life cycle of *Sargassum*.

(1 × 10 = 10 Marks)
