

19U210

(Pages: 2)

Name :

Reg.No :

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020

(CBCSS - UG)

CC19U BOT2 C02 : CRYPTOGAMS, GYMNOSPERMS & PLANT PATHOLOGY

(Botany - Complementary)

(2019 Admission - Regular)

Time: 2.00 Hrs

Max. Marks: 60

Credit: 2

(Draw diagram wherever necessary. The students can answer all questions in sections A & B)

A. Short answer questions. Each question carries 2 marks.

1. Differentiate between amphitrichous and peritrichous arrangements of bacteria
2. List the applications of bacteria in agriculture.
3. What is the evolutionary significance of algae?
4. List any two characteristic features of Ascomycotina
5. Name the primary host and alternate host of *Puccinia graminis*
6. Differentiate soredia and isidia.
7. What is gametophyte?
8. What is heterospory?
9. Heterospory and seed habit in *Selaginella*
10. Write notes on symbiotic association.
11. Write down the control measures of Leaf mosaic of Tapioca.
12. Enumerate the important control measures of Citrus canker.

(Ceiling: 20 Marks)

B. Short essay questions (Paragraph). Each question carries 5 marks.

13. Give an account of the multiplication of bacteriophages
14. With the help of neat diagram describe binary fission in bacteria
15. Describe conjugation methods in Spirogyra
16. Describe the structure of cystocarp of Polysiphonia
17. Describe the anatomy of Selaginella rhizophore
18. Describe the morphological characters of Cycas megasporophyll.
19. Name the pathogen, symptoms and control measures of Blast of paddy

(Ceiling: 30 Marks)

C. Essay questions. Answer any one question.

20. Explain in detail the life cycle of Sargassum.
21. Describe the external morphology of Cycas.

(1 × 10 = 10 Marks)
