

19U211S

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Name.....

Reg No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCBCSS – UG)

CC15U BOT2 C02 – CRYPTOGAMS, GYMNOSPERMS AND PLANT PATHOLOGY

(Botany - Complementary Course)

(2015 to 2018 Admissions - Supplementary/Improvement)

Time: Three Hours

Maximum: 64 Marks

Drew diagrams only when specified.

Part A

Answer *all* questions. Each question carries 1 mark.

1. Gametophytic phase is dominant in -----
2. Name one heteroecious fungi.
3. What is prion?
4. Name the negatively geotropic roots seen in Cycas.
5. Which is known as ‘Sago palm’?
6. What is hormogonia?
7. What is the sub unit of protein coat in viruses?
8. Ascomycotina is generally called -----
9. What is helotism?
10. Name the reserve food material of Rhodophyceae.

(10 x 1 = 10 Marks)

Part B

Answer any *seven* questions. Each question carries 2 marks.

11. Briefly explain the internal structure of Selaginella rhizophore.
12. Write the xerophytic adaptations of Cycas.
13. Differentiate scalariform and lateral conjugation in Spirogyra.
14. Describe the structure of a virus.
15. Symptoms of Blast disease of Paddy.
16. Write a brief note on ligule.
17. What is carpogonia?
18. Describe the structure of archegonium in Riccia.
19. Give a brief account of salient features of Chlorophyceae.
20. What do you mean by cystocarp?

(7 x 2 = 14 Marks)

Part C

Answer any *six* questions. Each question carries 4 marks.

21. Explain heterospory and seed habit.
22. Write a note on lytic cycle.
23. Explain the structure of heterocyst. Mention its functions.
24. List out the economic importance of bryophytes.
25. Give an account on archaebacteria.
26. Describe the structure of *Cycas* ovule.
27. Brief account on tetrasporophyte.
28. Give an account on Citrus canker.

(6 x 4 = 24 Marks)

Part D

Answer any *two* questions. Each question carries 8 marks.

29. Give an account of Lichens. Add a note on its reproduction.
30. Write an essay on plant disease control.
31. Briefly describe the structure of bacterial cell.

(2 x 8 = 16 Marks)
