

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2016

Fifth Semester

Core Course—MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY

(Common for B.Sc. Botany Model I, Model II and B.Sc. Botany and Biotechnology (Double Core))

[2013 Admission onwards]

Time : Three Hours

Maximum : 60 Marks

Part A (Short Answer Questions)

Answer all questions.

Each question carries 1 mark.

1. What is Mycelium ?
2. What is Hartic net ?
3. What are Foliose lichens ?
4. What is Haustoria ?
5. Name the causal organism of blight of paddy.
6. What is dikaryotic hyphae ?
7. Write scientific name of yeast.
8. Which class of fungi is known as Sacfungi ?

(8 × 1 = 8)

Part B (Brief Answer Questions)

Answer any six questions.

Each question carries 2 marks.

9. Explain the salient features of Myxomycotina.
10. Explain the ecological significance of lichens.
11. Briefly, explain Bordeaux mixture.
12. What is seed certification ?
13. Write a brief account on Poisonous Mushrooms.
14. Describe the gills of Agaricus.

Turn over

15. Explain the functions and significance of Mycorrhiza.
16. Write short note on Mycoparasites.
17. Explain the control measures of Bunchy top of Banana.
18. Write short note on biological control of plant diseases.

(6 × 2 = 12)

Part C (Problems/Derivations)

Answer any four questions.

Each question carries 4 marks.

19. Explain symptoms and control measures of root wilt of coconut.
20. Explain various fungal infections of man.
21. Describe the structure reproduction and life cycle of Parmelia.
22. Explain cultivation of Oyster mushroom.
23. Describe the development of Teleutospores in Puccinia.
24. Describe the life cycle of Fusarium.

(4 × 4 = 16)

Part D (Long Answer/Problem Questions)

Answer any two questions.

Each question carries 12 marks.

25. Describe the life cycle of Rhizopus.
26. Describe the different life cycle pattern of Yeast.
27. Describe the causative agent, symptoms and control measures of Bunchytop of Banana.
28. Give account of classification of fungi. Describe important features of different classes.

(2 × 12 = 24)