

**B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2015****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 Admissions]

Time : Three Hours

Maximum : 60 Marks

**Part A (Short Answer Questions)***Answer all questions.**Each question carries 1 mark.*

1. Name a coprophilous fungi.
2. What is imperfect fungi ?
3. What is VAM ?
4. Name the causal organism of root wilt of coconut.
5. What are aflatoxin ?
6. What are the ecological importance of Lichens ?
7. What is dikaryotic hyphae ?
8. What are conidia ?

(8 × 1 = 8)

**Part B (Brief Answer Questions)***Answer any six questions.**Each question carries 2 marks.*

9. Explain Biological control measures against plant diseases.
10. Describe different methods of vegetative/asexual methods of reproduction seen in Lichens.
11. Briefly explain host-parasite interaction.
12. State the causal organism and symptoms of Bunchy top of Banana.
13. Write short note on aspergillosis and candidiosis.
14. What are the major criteria used for classification of fungi ?
15. Write short note on poisonous mushrooms with suitable examples.
16. Briefly explain clamp connection in fungi.

**Turn over**

17. Briefly explain the procedure of spawn production.
18. Distinguish between apothecium and clestothecium.

(6 × 2 = 12)

**Part C (Problems/Derivations)**

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

19. Give an account of fungal allergens.
20. Name the causal organisms, symptoms and control measures of abnormal leaf fall of rubber.
21. Explain the life cycle of Parmelia.
22. Give an account on transmission and dissemination of diseases.
23. Explain the agricultural importance of fungi.
24. Explain the steps involved in spawn production.

(4 × 4 = 16)

**Part D (Long Answer/Problem Questions)**

*Answer any two questions.  
Each question carries 12 marks.*

25. Describe the life-cycle of Agaricus.
26. Write an essay on useful and harmful aspects of Fungi.
27. Name the causal organisms, symptoms, disease cycle and control measures of Bacterial blight of paddy.
28. Describe the salient features of Deuteromycotina with reference to the life-cycle of Fusarium.

(2 × 12 = 24)