

TB145090B

Reg. No.....

Name.....

B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2017
Supplementary – 2014 Admission
SEMESTER V - CORE COURSE (BOTANY)
BOT5MLP- MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY

Time: Three Hours

Maximum Marks: 60

PART A

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

1. What is coenocytic Mycelium?
2. What is soredium?
3. Why Albugo is known as white rust fungi?
4. Which fungal class is referred to as fungi imperfecti.
5. Who is considered as the father of Indian Mycology?
6. Give two examples for poisonous mushrooms.
7. Name the characteristic symptoms of root (wilt) disease of coconut.
8. What are mycotoxins?

(8 x 1=8)

PART B

II. Answer any six questions. Each question carries 2 marks.

9. Write the general characters of myxomycetes.
10. Define Plant quarantine and its significance.
11. Mention the ecological importance of lichens.
12. What are the ingredients of Bordeaux Mixture? What for it is used?
13. Why lichens are called pollution indicators?
14. What are edible fungi? Give two examples.
15. Give an account on major plant disease control measures.
16. Differentiate between Conidiospore from Chlamydospore.
17. Mention any four distinguishing characters of fungi.
18. What are mycorrhiza? Mention their function.

(6 x 2 =12)

PART C

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

19. Explain Biological control of plant disease with examples
20. Mention the salient features of basidiomycotina
21. Describe the economic and ecological significance of lichens
22. Write short note on the application of fungal biotechnology
23. Explain the Causal organism, symptoms and control measures of abnormal diseases of Rubber.

24. With the help of labeled diagram explain the asexual reproduction in Rhizopus.
(4 x 4= 16)

PART D

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

25. Write an essay on the agricultural significance of fungi with suitable examples.
26. Explain the various types of Life cycle seen in Saccharomycetes (yeasts).
27. Describe the life cycle of Puccinia with suitable Diagram.
28. Explain the process of host- parasitic interactions and process of pathogenesis in plants.

(2 x 12 = 24)