

E 2918

(Pages : 2)

Reg. No.....

Name.....

**B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2022**

**Fifth Semester**

Core Course—MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY

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

[2013 to 2016 Admissions]

Time : Three Hours

Maximum Marks : 60

**Part A**

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

1. What is a mycorrhiza ?
2. What is a heteroecious fungi ?
3. Name a fungus which comes under Pyrenomycetes.
4. Name any two edible fungi.
5. Name a foliose lichen.
6. What are macroconidia ?
7. Causative agent of mahali disease.
8. What is biological control of plant diseases ?

(8 × 1 = 8)

**Part B**

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

9. Critically analyze the economic importance of lichen.
10. What are mycoherbicides ? Mention its significance.
11. Write down economic importance of Oyster Mushroom.
12. Draw a neat labelled diagram of vegetative structure of *Rhizopus*.
13. Mention the features vegetative structure of *Peziza*.
14. Write any four harmful aspects of fungi with examples.
15. List the various spores produced by *Puccinia*.
16. Write down the preparation of tobacco neem decoction.

**Turn over**

17. List the symptoms of bunchy top of banana.
18. What is Candidiosis ? List any two symptoms associated with it.

(6 × 2 = 12)

### Part C

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

19. With a labelled diagram, explain asexual reproduction in *Albugo*.
20. Explain the fruiting body formation in *Xylaria*.
21. Explain the morphological and internal anatomy of *Parmelia* thallus.
22. Describe the asexual reproduction in *Pencillium*.
23. Give a brief account on physiotherapy and chemotherapy.
24. Explain the symptoms, disease cycle and control measures of bacterial blight of paddy.

(4 × 4 = 16)

### Part D

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

25. Explain the life cycle of *Agaricus*.
26. Write down the procedure for spawn production.
27. With an illustration explain life cycle of *Saccharomyces*.
28. Give a brief account of classification plant diseases based on symptoms.

(2 × 12 = 24)