

TB162110B

Reg. No:

Name:

B. Sc. DEGREE (C.B.C.S.S) EXAMINATION, MARCH 2017
(2016 Admission – Regular & 2015 Admission – Supplementary / Improvement)
SEMESTER II - CORE COURSE
BO2B02TB - MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY

Time: Three Hours

Maximum Marks: 60

PART A

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

1. Name the fruiting body of Basidiomycetes.
2. What is a dikaryon?
3. Which of the following is a coprophilous fungus?
a) *Agaricus* b) *Penicillium* c) *Rhizopus* d) *Peziza*
4. What is chemotherapy?
5. Bacterial blight of paddy is caused by -----.

(5x1= 5)

PART B

II. Answer any five of the following. Each question carries 2 marks.

6. What is soridium? Mention its function.
7. Mention the different types of conidia in *Fusarium*.
8. What are aflatoxins?
9. Mention any four harmful activities of fungi.
10. Differentiate between sporangiospores and conidia.
11. What are the main features of fungi cells?
12. Discuss about Athlet's foot.
13. What are conidia?

(5x2 =10)

PART C

II. Answer any five of the following. Each question carries 5 marks.

14. Explain sexual reproduction of *Rhizopus* and draw labelled diagrams.
15. What are lichens? Mention their components and list out any three uses.
16. With the help of a labelled diagram explain the structure of *Peziza* apothecium.
17. What is Bordeaux mixture? List out its ingredients and discuss about its preparation.
18. Explain the mechanism of pathogenic infection in host plant.
19. What is perithecium? Add a note on it's structure.
20. Discuss about the cultivation of oyster mushroom.
21. What are mycorrhizae? How do the partners benefit from this? What are the different types of mycorrhizae?

(5x5= 25)

PART D

IV. Answer any two of the following. Each question carries 10 marks.

22. Describe the reproduction and economic importance of *Penicillium*.
23. Explain the life cycle of *Parmelia*.
24. Discuss about the useful aspects of fungi.
25. Describe the causative organism, symptoms and control measures of a fungal and virus disease studied by you.

(2x10= 20)