

B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2018
(2017 Admission Regular, 2016 Admission Improvement/Supplementary &
2015 Admission Supplementary)
SEMESTER II - CORE COURSE (BOTANY)
BO2B02TB – MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY

Time: Three Hours

Maximum Marks: 60

PART A

I. Answer all questions. Each question carries 1 mark

1. Give the name of an obligate parasitic fungus
2. What are ascospores?
3. What is meant by heterothallism?
4. Name the causative organism of bacterial blight of paddy
5. What is candidiasis?

(5 x 1 = 5)

PART B

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

6. Give an account on cephalodia
7. What is meant by a macrocyclic fungus?
8. What is meant by quarantine measures ?
9. Describe crozier formation
10. Describe the structure of prosenchyma
11. Why are lichens considered as ecological indicators?
12. Describe the external morphology of *Peziza*
13. Which fungus produces aflatoxin and what is its medical importance?

(5x2=10)

PART C

III. Answer any five questions. Each question carries 5 marks

14. Describe reproduction in *Xylaria*
15. Give an account on the internal structure of *Parmelia* with the help of labeled diagram
16. Give an account on dissemination of plant pathogens
17. Explain on biological control of plant diseases
18. Give an account on the different types of mycorrhizae which you have studied
19. Explain the preparation and uses of Bordeaux mixture
20. Give an account of the economic importance of fungi
21. Explain the salient features of myxomycotina

(5 x 5 = 25)

PART D

IV. Answer any two questions. Each question carries 15 marks

22. Describe the life history of *Puccinia* with suitable diagrams.
23. Describe the causative organism, symptoms and control measures of
 - a. Bunchy top of Banana.
 - b. Bacterial blight of Paddy.
24. Give an account of the general features and classification of lichens based on thallus nature
25. With the help of labeled diagrams explain the life cycle in *Albugo*

(2 x 10 = 20)