

Name.....Reg. No.....

B.SC DEGREE END SEMESTER EXAMINATION OCTOBER 2016
SEMESTER - 5: BOTANY (CORE COURSE)
COURSE: U5CRBOT5 - MYCOLOGY, LICHENOLOGY AND PLANT
PATHOLOGY

Time: Three Hours

Max. Marks: 60

PART AI. Answer **ALL** questions; each question carries ONE mark.

1. Mention the habitat of *Peziza*
2. What is perithecium? Give an example
3. Which fungus is known as dead man's finger?
4. Define lichen. Give an example
5. Name the organism producing aflatoxin
6. What is a dikaryon?
7. Give an example for a mycoparasite
8. What is meant by Hartig net?

(1 x 8 = 8)

PART BII. Answer **ANY SIX** questions; each question carries TWO marks.

9. Describe two methods of asexual reproduction in yeast.
10. What is the role of mycorrhizae in agriculture and forestry
11. What are clamp connections?
12. Describe thallus structure in Fungi.
13. Explain the role of fungi in fermentation industries.
14. Mention four characteristics of Myxomycetes.
15. Explain the uredo stage of *Puccinia graminis*
16. Give the graphic representation of life cycle of *Albugo*.
17. Write a note on biodeterioration due to fungi.
18. Differentiate ascus from a basidium.

(2 x 6 = 12)

(PTO)

PART C

III. Answer **ANY FOUR** questions; each question carries FOUR marks.

19. Draw a neat labeled diagram of V.S. of fructification of *Peziza* and explain its structure.
20. What are quarantines? Explain the principle and methods.
21. Write note on causative organism, symptoms, aetiology and control measures of bunchy top of banana.
22. What are the ecological significance and economic importance of lichens?
23. Describe the modes of nutrition in Fungi.
24. Give the economic importance of fungi with respect to agriculture and food.

(4 x 4 = 16)

PART D

IV. Answer **ANY TWO** questions; each question carries TWELVE marks.

25. Describe the methods of reproduction in Fungi

OR

26. Describe the events leading to the formation of the basidiocarp in *Agaricus*

27. Briefly explain the various methods of transmission of diseases in plants

OR

28. Give an outline of classification of fungi as per Ainsworth upto classes by giving salient features and examples of each class.

(12 x 2 = 24)
