

B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2020**SEMESTER –2: BOTANY (CORE COURSE)****COURSE: 15U2CRBOT2: MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY***(Common for Supplementary 2018/Improvement 2018/ /2017/2016 /2015 Admissions)*

Time: Three Hours

Max Marks: 60

PART A**I. Answer ALL questions; each question carries 1 mark.**

1. Name the causative organism of citrus canker.
2. Name a fungal toxin.
3. Name a biopesticide.
4. What do you mean by quarantine?
5. Name an edible lichen.
6. What is a cleistothecium?
7. What is a hyperparasite?
8. What is spawn?

(1 x 8 = 8)

PART B**II. Answer ANY SIX questions; each question carries 2 marks.**

9. What is a sclerotium?
10. What are the general characters of Myxomycotina?
11. Describe the sexual fruiting bodies produced by Discomycetes.
12. Describe the asexual fruiting body of *Rhizopus*.
13. Write notes on mycoherbicides.
14. What is seed certification?
15. Name two mycorrhizal fungi.
16. Differentiate between crozier and clamp connections.
17. Name two edible mushrooms.
18. Describe the sexual spore bearing structures produced by fungi.

(2 x 6 = 12)

PART C**III. Answer ANY FOUR questions; each question carries 4 marks.**

19. Explain the role of fungi in biotechnology.
20. Which is the causative organisms of root wilt of coconut. Write notes on its symptoms.
21. How are plant diseases classified?
22. Write a note on mushroom spawn production.
23. Describe the structure of fruit body of *Agaricus*.

24. Describe the internal thallus organization of *Parmelia*. (4 x 4 = 16)

PART D

IV. Answer ANY TWO questions; each question carries 12 marks.

25. What are the distinguishing characters of Mastigomycotina and Zygomycotina?

OR

26. Describe the life cycle of a Teliomycete fungus that you have studied, with suitable diagrams.

27. Write an essay on structure and reproduction of lichens.

OR

28. Write notes on the causative organism, disease symptoms and control measures of Cassava mosaic disease. (12 x 2 = 24)
