

B. Sc DEGREE END SEMESTER EXAMINATION - JULY 2021**SEMESTER 2 : BOTANY (CORE COURSE)****COURSE : 19U2CRBOT02 : MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY***(For Regular - 2020 Admission & Improvement / Supplementary 2019 Admission)*

Time : Three Hours

Max. Marks: 60

PART A**Answer All (1 mark each)**

1. What are conidia?
2. What is perithecium?
3. Which fungus is known as *Drosophila* of fungal kingdom?
4. Name a poisonous mushroom..
5. What is the scientific name of oyster mushroom?
6. To which group of lichen do *parmelia* belong?
7. Who is the Father of plant pathology
8. Name a systemic fungicide

(1 x 8 = 8)**PART B****Answer any 6 (2 marks each)**

9. Differentiate between oospore and zygosporangium.
10. Why *penicillium* is called broom fungus?
11. Differentiate between ascus and basidium.
12. What is mycorrhiza? Add a note on its significance.
13. Briefly explain the procedure of spawn production.
14. What are the different mechanisms of infection in plants?
15. What is quarantine?
16. Explain the mode of dissemination of leaf mosaic disease of tapioca?

(2 x 6 = 12)**PART C****Answer any 4 (5 marks each)**

17. Explain the structure of ascocarp in *Peziza*.
18. Comment on cell structure of yeast.
19. Comment on different types of ascocarps.
20. Write down the steps for the cultivation of mushrooms
21. What are the ecological and economic significance of lichens?
22. How is tobacco decoction prepared?

(5 x 4 = 20)**PART D****Answer any 2 (10 marks each)**

23. Discuss the sexual reproduction and life cycle of *Peziza*.
OR
24. Explain macrocyclic life cycle of *Puccinia* with the help of illustrations.
25. Name the causal organism, symptoms, disease control measure of Bacterial blight paddy
OR
26. Give brief account of symptoms and methods of spreading leaf mosaic of tapioca. Which is the causative organism? What are the measures adopted to control the disease.

(10 x 2 = 20)