

Reg. No .....

Name .....

23U226

**B. Sc. DEGREE END SEMESTER EXAMINATION : MARCH 2023**

**SEMESTER 2 : BOTANY**

**COURSE : 19U2CRBOT02: MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY**

(For Regular - 2022 Admission and Improvement / Supplementary – 2021/2020/2019 Admissions)

Time : Three Hours

Max. Marks: 60

**PART A**

**Answer All (1 mark each)**

1. Name any two edible species of *Agaricus*.
2. Name a mycoherbicide.
3. What is Inoculum?
4. What is perithecium?
5. Name the fungus called Black mould.
6. Give an example of fruticose lichen.
7. Name the fungal spores produced asexually at the tip of hypha.
8. Explain the use of neem decoction.

**(1 x 8 = 8)**

**PART B**

**Answer any 6 (2 marks each)**

9. Why *Rhizopus* is called bread mold?
10. What are chlamyospores?
11. Explain the systematic position of *Albugo*.
12. How are rubber trees affected by abnormal leaf fall identified from healthy ones?
13. Write a note on biodeterioration due to fungi.
14. Explain the role of toxins in pathogenesis?
15. Briefly explain the procedure of spawn production.
16. Explain the importance of plant quarantine measures.

**(2 x 6 = 12)**

**PART C**

**Answer any 4 (5 marks each)**

17. Give the economic importance of fungi with respect to agriculture and food.
18. Comment on different types of ascocarps.
19. Explain the structure, function and formation of uredospore in *Puccinia*.
20. What are fungicides? Explain the method of preparation and mode of application of any two fungicides.
21. Compare the thallus structure of a fruticose lichen with that of foliose lichen.
22. Explain asexual spore formation in *Rhizopus*.

**(5 x 4 = 20)**

**PART D**

**Answer any 2 (10 marks each)**

23. Explain the cultivation of oyster mushrooms by polybag method.
24. Give an account on the causative organism, etiology, symptoms and methods of control of bunchy top of banana?
25. Name the causal organism, symptoms, disease control measure of Bacterial blight of paddy.
26. Write an essay on useful and harmful aspects of Fungi.

**(10 x 2 = 20)**