

TB222040W

Reg. No :

Name :

B. A. DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023

**2022 Admissions Regular & 2021 Admissions Supplementary / Improvement And 2020, 2019 And 2018 Admissions
Supplementary**

SEMESTER II - CORE COURSE (BOTANY)

BO2B02B18 - MICROBIOLOGY, MYCOLOGY AND PLANT PATHOLOGY

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 mark

(10x1=10)

1. Give an example of an RNA virus.
2. Give the definition of Virus.
3. What is glycocalyx?
4. Describe synthetic media.
5. Name a bacterium responsible for the production of vinegar.
6. What are sterigmata?
7. How is pseudomycelium formed in yeast?
8. What are heteroecious fungi?
9. Give the binomial of an edible fungi.
10. What is the function of Cyphellae in lichens?
11. Give an example of an organism used in biological control.
12. What is crop rotation?

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Describe the experiment of Louis Pastuer that disproved abiogenesis.
14. Explain Koch's postulates.
15. Describe the role of microorganisms in the production of antibiotics.
16. Write notes on the different methods of vegetative reproduction in Saccharomyces.
17. Differentiate basidiospore and ascospore.
18. Explain the formation of clamp connections.
19. Explain the thallus structure of Rhizopus using neat labelled diagram.
20. Which are the specialised vegetative structures present in lichens? Explain their features and functions.
21. Discuss the various eradication methods used in managing plant diseases.

Part C

III. Answer any Two questions. Each question carries 10 marks

(2x10=20)

22. Write an account on the morphological forms of bacteria.
23. Microbes are the main causative organisms of food spoilage. Explain.
24. Explain in detail the life cycle of Puccinia.
25. Write an essay on disease symptoms in plants.