

TB242956W

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024
2023 ADMISSIONS REGULAR
SEMESTER II - CORE COURSE BOTANY
BO2C02B23 - Microbiology, Mycology and Plant Pathology

Time : 3 Hours

Maximum Marks : 60

Part A

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

(10x1=10)

1. What is the basis of the 'Three Domain Five Kingdom' system of classification?
2. Who is known as the Father of Modern Taxonomy?
3. Name the enzyme which converts starch into sugar.
4. Give the name of the nucleic acid in retrovirus.
5. What are club fungi?
6. Why Deuteromycetes are called imperfect fungi?
7. Distinguish between isogamy and oogamy.
8. Define somatogamy.
9. Name a fungus that causes timber damage.
10. What is the function of Cyphellae in lichens?
11. Explain hyperparasitism.
12. Mention any two diseases transmitted by vectors.



Part B

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

(6x5=30)

13. Write an account on the structure of bacterial flagella.
14. Describe Orlean's method of Vinegar production.
15. With help of diagrams, explain lysogenic cycle of bacteriophage.
16. Write notes on the different methods of vegetative reproduction in Saccharomyces.
17. Explain the formation of clamp connections.
18. Give an account on the asexual reproduction in Rhizopus using suitable diagrams.
19. Describe isidia and soredia.
20. Write an account on any five harmful activities of fungus.
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. Describe the five kingdom classification of organisms.
23. Discuss the life cycle of Agaricus.
24. The sexual reproduction in Saccharomyces is peculiar. Analyse the statement based on its three types of life cycles.
25. Give the causative agent, symptoms and control measures of bunchy top of banana and tapioca mosaic virus.