



22103111

QP CODE: 22103111

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, OCTOBER 2022**

Second Semester

Core Course - BO2CRT02 - MICROBIOLOGY, MYCOLOGY & PLANT PATHOLOGY

(Common for B.Sc Botany Model I, B.Sc Botany Model II Environmental Monitoring And Management, B.Sc Botany Model II Food Microbiology, B.Sc Botany Model II Horticulture and Nursery Management, B.Sc Botany Model II Plant Biotechnology, B.Sc Botany and Biotechnology Model III Double Main)

2017 ADMISSION ONWARDS

723EFBE4

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Give an example for Eukaryotic microbe.
2. Define Plasmid.
3. Who discovered Prions?
4. Name a bacterial culture media.
5. Name a symbiotic nitrogen fixing bacteria.
6. What do you mean by holophytic nutrition?
7. What is heteroecious fungus?
8. Why deuteromycetes are known as "fungi imperfect"?
9. What is ergotism?
10. What are terricoles? Give an example?
11. What are endemic diseases?
12. Give the name of a disease caused by a nematode.





(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Illustrate and explain Transduction in bacteria.
14. Explain the structure of T-4 Bacteriophage.
15. Explain Biological Nitrogen Fixation.
16. Point out the main features of Myxomycota.
17. Elucidate the asexual method of reproduction in Rhizopus.
18. Explain asexual reproduction in Saccharomyces.
19. Differentiate endo-mycorrhiza and ect-mycorrhiza.
20. Write down the symptoms of root wilt of Coconut.
21. Write down the preparation of Bordeaux mixture.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Explain classification of Bacteria based on Flagellation and Morphology with suitable diagrams.
23. With labelled diagrams, explain the life cycle of Albugo.
24. Explain the symptoms of fungal diseases.
25. Describe in detail, the therapeutic techniques used in disease control.

(2×10=20)

