



QP CODE: 21103151

21103151

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,  
DECEMBER 2021  
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

56287CD3

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

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

1. Define Microbiology.
2. What is Conjugation?
3. Expand TMV.
4. Name a bacterial culture media.
5. Name a symbiotic nitrogen fixing bacteria.
6. Who is the father of mycology?
7. What is stroma?
8. Name an edible mushroom.
9. What are aflatoxins?
10. Define soralia.
11. Define Hypoplasia.
12. Name the disease caused by Phytoplasma.

(10×1=10)





### Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Give an account on economic importance of bacteria.
14. Explain the structure of TMV with diagram.
15. What is a biofertilizer?
16. Point out the main features of Myxomycota.
17. List the advanced features of Ascomycetes.
18. Why the life cycle of Puccinia is known as macrocyclic?
19. Differentiate endo-mycorrhiza and ect-omycorrhiza.
20. How can we control root knot disease of Pepper?
21. Describe the advantage of biological control method over chemical control.

(6×5=30)

### Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Give a detailed account on ultrastructure of bacterial cell with labelled diagram.
23. Describe the life cycle of Saccharomyces.
24. Explain the symptoms of fungal diseases.
25. Write an essay on the prophylactic measures adopted in the control of plant diseases.

(2×10=20)

