



25019420

QP CODE: 25019420

Reg No :

Name :

**B.Sc DEGREE (CBCS)) REGULAR/ IMPROVEMENT/ REAPPEARANCE / MERCY
CHANCE EXAMINATIONS, FEBRUARY 2025**

Fourth Semester

B.Sc Microbiology Model III

Core Course - MB4CRT11 - AGRICULTURAL MICROBIOLOGY

2017 Admission Onwards

E9AEE981

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Identify Trophosome
2. What are Lichens?
3. Explain Ectendomycorrhizae.
4. What are Endemic diseases?
5. Explain the mode of transmission of tomato spotted wilt.
6. Explain Phytoalexins.
7. What is PGPR?
8. What is retting?
9. Recognise Ruminants.
10. What is the importance of Granulosis virus?
11. Comment on Light traps.
12. Give examples for Non-Symbiotic N₂ fixers.

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Differentiate between Amensalism and Commensalism.
14. Define parasitism and Predation? How are these similar and different?
15. Give an account of Actinomycetes and their importance in agriculture.
16. Explain the symptoms, pathogen, transmission and control of Brown spot of maize.
17. Explain the symptoms, pathogen, transmission and control of Ergot of cereals.
18. Explain Endophytic microflora and their importance.
19. What are the good practices to be followed in the preparation of Silage?
20. Explain the Microbiology and different methods of Tobacco curing.
21. How do *Bacillus thuringiensis* act on Insects?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. What is Mycorrhiza? Explain different kinds of Mycorrhiza.
23. Write an Essay on Viral diseases on Plants.
24. What is Phyllosphere, Discuss about Phyllosphere microflora and their importance?
25. Analyse the role of Viral and fungal biopesticides.

(2×15=30)

