

B.Sc. DEGREE EXAMINATION, APRIL 2020
II Year III Semester
General Microbiology and Plant Pathology

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Archaeobacteria
2. Virion
3. Mesosome
4. Spheroplasts
5. Fission
6. F factor
7. Mineralization
8. Lactic acid
9. *Collectotrichum* sp.
10. TMV
11. Heterotrophs
12. Anaerobic respiration.

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Neatly draw and label the parts of T4 bacteriophage.
14. Describe the nutritional types of bacteria.
15. Write short notes on endospores.
16. Briefly discuss the applications of bacteria in various industries.
17. Write the causative organism and symptoms of bacterial blight of Rice.
18. Write notes on the general characters of Cyanobacteria.
19. Write the causal organism and symptoms of wilt of cotton.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Describe the reproduction of T4 bacteriophage.
21. Explain the structure of bacteria with a neat diagram.
22. Write an essay on transformation and conjugation in bacteria.
23. Discuss the economic importance of bacteria.
24. Write about the causative agent and symptoms of the following:
a. Tikka disease of groundnut b. Citrus canker.

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