

**B.Sc DEGREE EXAMINATION, APRIL 2019**  
**I Year II Semester**  
**General Microbiology and Plant Pathology**

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. Cynobacteria
2. Coenocytic
3. Temperate bacteria
4. Fimbriae
5. Facultatively Anaerobic
6. F Plasmid
7. Terminal Spores
8. Peritrichous
9. Vaccines
10. Bioremediation
11. Red rot
12. Wilt of Cotton

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

Answer any **FIVE** questions

13. Explain the structure of viruses.
14. Describe the structure of Yeast.
15. Explain the structure of Bacteria.
16. Write notes on asexual reproduction in Bacteria
17. List out the Economic importance of Bacteria.
18. Discuss the symptoms of Citrus canker.
19. Describe the symptoms of Tikka disease of Ground nut.

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

Answer any **THREE** questions

20. Explain the structure and reproduction of  $T_4$  bacteriophage.
21. Discuss the nutritional types of bacteria.
22. Describe the bacterial Conjugation and Transformation.
23. Elaborate the nitrogen fixation by Bacteria.
24. Explain the structure and symptoms of TMV.

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