

**SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)**

**(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)  
Chromepet, Chennai — 600 044.**

**B.Sc. END SEMESTER EXAMINATIONS APRIL-2022**

**SEMESTER - II**

**20UPBCT2003 - General Microbiology and Plant Pathology**

**Total Duration : 3 Hrs.**

**Total Marks : 60**

**Section A**

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. General characteristic features of Fungi.
2. Illustrate the structure of Bacteriophage with neat diagram.
3. Classify the bacteria based on its Nutrition.
4. Draw an Ultra-structure of Bacteria and labelled the parts.
5. Write short note on Conjugation.
6. What are the microbial action of bacteria in Soil Fertility?
7. Mention the important role of bacteria in the field of Medicine.
8. Explain in details about any two viral diseases of plants and its symptoms.

**Section B**

Answer any **THREE** questions ( $3 \times 10 = 30$  Marks)

9. Write an essay on Life cycle of Bacteriophage.
10. Explain in detail about the aerobic respiration of bacteria through Glycolysis.
11. Describe Briefly on Vegetative Reproduction process of Bacteria.
12. Mention the Economic importance of bacteria.
13. Give an account on TMV virus.

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