

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. PBPBT END SEMESTER EXAMINATIONS APRIL - 2024

SEMESTER - II

20UPBCT2003 - General Microbiology and Plant Pathology

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. Give the distinguishing features of virus.
2. Explain asexual reproduction in bacteria.
3. Compute the role of bacteria in nitrogen fixation.
4. Describes the symptoms and control of red rot of sugarcane.
5. Classify the bacteria on the basis of their flagellation.
6. Explain with illustrations budding in bacteria.
7. Explain the role of bacteria in milk industry.
8. How are cotton plants affected by *Fusariumwilt*.

Section C

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

9. Explain with illustrations the structure and reproduction of T4 bacteriophage.
10. Prepare an essay to describe the ultra-structure of bacteria.
11. Differentiate transformation and Transduction in bacteria.
12. Prepare an essay to explain the various economic importance of bacteria.
13. Describe the disease caused by *Cercosporapersonata*.
