

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 2025

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 Cyanobacteria.
2. Describe flagellation of bacteria with suitable diagrams.
3. Compute the role of bacteria in decomposition.
4. Describe the symptoms and control of Fusarium wilt of cotton.
5. Classify the bacteria on the basis of nutrition.
6. Prepare short notes on sexuality in bacteria.
7. Explain the role of microorganisms in medicine.
8. Distinguish between citrus canker and red rot of sugarcane.

Section C

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

9. Explain the characteristics of protists, fungi and viruses.
10. Prepare an essay to describe respiration in bacteria.
11. Differentiate transduction and conjugation in bacteria.
12. Prepare an essay to explain the role of bacteria in molecular biology.
13. Compare and contrast the disease caused by cercospora personata and cercospora aradichola.
