

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-2023

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. Explain about soil microbes with two examples.
2. Illustrate about plant viruses.
3. Compute a detail note on ultra-structure of bacteria.
4. Explain about binary fission.
5. Indicate the importance of bacteria in decomposition.
6. Compute a detail note on types of bacteria in decaying of waste.
7. Illustrate the different types of casual organism responsible for Red rot of sugarcane.
8. Examine the stages of citrus canker.

Section C

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

9. Describe in detail about the different classes of protista.
10. Compute a detail note on nutritional types of autotrophs and heterotrophs.
11. Examine the features of transduction & conjugation in bacteria.
12. Compute a detail note on importance of bacteria on soil fertility.
13. Justify the role of *Fusarium/oxysporum* in the wilt disease of cotton.
