

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.

M.Sc. (PBPB) END SEMESTER EXAMINATIONS NOVEMBER - 2023

SEMESTER - I

**22PPBCT1001 - Algae, Fungi, Bacteria and Viruses**

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

### Section B

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

1. Describe the pigmentation in Algae.
2. Enlist the general characteristics of Chlorophyceae.
3. Briefly describe the type of reproduction found *Padina*.
4. Classify bacteria according to Bergey's manual.
5. Write about the structure and reproduction of *Colletotrichum* genus.
6. Write the classification of algae by F.E. Fritsch.
7. Write short notes on mushroom cultivation.
8. Explain the sexuality in fungi.

### Section C

I - Answer any **TWO** questions ( $2 \times 10 = 20$  Marks)

9. Explain the life cycle of *Puccinia*.
10. Give a comparative account of *Bacillariophyceae* with *Rhodophyceae*.
11. Illustrate the life cycle patterns found in Algae.
12. Give a General account of lichens and add a note on its importance.

II - Compulsory question ( $1 \times 10 = 10$  Marks)

13. Describe the structure and multiplication of bacteria.

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