

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. - END SEMESTER EXAMINATIONS NOVEMBER - 2022

SEMESTER - I

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

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

### Section A

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

1. Discuss the reserve food material of algae.
2. Describe the general characters of Cyanophyceae members of algae.
3. Explain the salient features of green algae.
4. Give an outline classification of fungi as proposed by Ainsworth.
5. Lichens are economically and ecologically important. Justify.
6. Write briefly about the spore types of *Puccinia*.
7. Describe the role of bacteria in human welfare.
8. Virus is a link between living and non living. Justify this statement.

### Section B

#### Part A

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

9. Describe the structure, reproduction and life cycle in *Hydrodictyon*.
10. Write an essay on the economic importance of fungi.
11. Give an account of sexual reproduction in *Rhizopus*.
12. Discuss the illustrated account of multiplication of plant viruses.

#### Part B

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

13. Elaborate the ultra structure of bacterial cell.

\*\*\*\*\*