

Roll.No.

25UPBCT1002

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 - NOVEMBER 2025

SEMESTER - I

**25UPBCT1002 - Mycology and Lichens**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### Section B

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

1. Write the criteria used for the classification of fungi according to Alexopoulos and Mims (1979).
2. Distinguish between the thallus organization and mode of nutrition in fungi.
3. Describe the structure and life cycle of *Albugo*.
4. Explain the asexual and sexual reproduction in *Mucor*.
5. Give an account of citric acid production by *Aspergillus niger*.
6. Write short notes on the nutritional value of oyster mushrooms.
7. Describe the General Characteristics of lichens.
8. Explain the ecological significance of lichens with special reference to *Usnea*.

### Section C

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

9. Discuss the general characteristics, thallus organization, reproduction, and life history of Oomycetes, Ascomycetes, and Basidiomycetes.
10. Describe the morphology, structure, and reproduction of *Peziza* and *Agaricus*.
11. Explain the role of fungi in industry with reference to antibiotics and microbial enzymes.
12. Describe in detail the cultivation of oyster mushrooms, including spawn production, substrate preparation, bag preparation, maintenance, harvesting, and control of pests.
13. Give an account of the morphology, taxonomy, reproduction, and economic importance of lichens.

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