

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. END SEMESTER EXAMINATION APRIL/NOV - 2021
SEMESTER - I
20UPBCT1002 - Mycology and Lichens

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Explain the Systematics of Fungi by Alexopoulos.
2. Describe the sexual reproduction in *Albugo*.
3. Relate the applications of enzymes from microbes.
4. How do you prepare substrate in oyster mushroom cultivation?
5. Illustrate the structure of Lichen thallus.
6. Compare the spore formation in Basidiomycetes and Ascomycetes.
7. Sketch out the life cycle of *Peziza*.
8. Associate lichens as partners with algae and fungi. Give example.

Section C

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

9. Determine the general characteristics of Fungi.
10. Ascertain the life cycle of *Albugo*.
11. Does oyster mushroom cultivation play a vital role? Justify your answer.
12. Deduce the method of citric acid production from *Aspergillus niger*.
13. Distinguish the morphology and taxonomic aspects and uses of *Usnea*.