

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 - IV

16UPBCT4A08 & UPB/CT/4A08 - Ecology and Environmental Biotechnology

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. Discuss the role of edaphic factors on vegetation.
2. Explain the various stages of plant succession seen in hydrosere.
3. Enumerate the various characteristic features of deciduous forests.
4. Highlight the significance of social forestry.
5. Write a brief note on biofuel.
6. Describe the various adaptations seen in halophytes.
7. Give an account of the features and significance of mangrove vegetation.
8. Write a brief note on role played by IUCN in conservation.

Section C

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

9. Write an essay on the role of environmental factors and their influence on vegetation.
10. Highlight the adaptations seen in xerophytes and hydrophytes
11. Describe the characteristic features of tropical rain forests.
12. Write an essay on the various methods of conservation of biodiversity.
13. Critically evaluate the various phytoremediation methods.