

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 EXAMINATIONS APRIL-2022

SEMESTER - IV

20UPBCT4008 - Plant Ecology and Environmental Biotechnology

Total Duration : 3 Hrs.

Total Marks : 60

**Section A**

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

1. Discuss various environmental factors and their influence on vegetation.
2. Give an account on xerophytic adaptation.
3. Comment on classical concept of species diversity.
4. Write a short notes on objects of afforestation.
5. Give an account on bioremediation methods and its applications.
6. Discuss the basic principles of phytogeography.
7. What are the different types of agroforestry system.
8. What are the different types of vegetational found in India?

**Section B**

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

9. Give an account on abiotic factors and their influence on vegetation.
10. What is succession? Describe the causes and various stages of succession.
11. Analysis the components of grassland ecosystem.
12. List out the *in-situ* and *ex-situ* methods of conservation. Add a note on agencies of conservation.
13. Write brief note on biomass and biofuel

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