

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 APRIL - 2024

SEMESTER - IV

**20UPBCT4008 - Plant Ecology and Environmental Biotechnology**

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

### Section B

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

1. Briefly explain the mutualisms with suitable examples.
2. Briefly describe the halophytes characters of mangrove forest.
3. Classify the phytogeographical regions of India.
4. Give a brief account of Red Data Book.
5. Write short notes on endangered plants and seed banks.
6. Classify the biofuels and explain the biogas production.
7. Briefly describe the thermal stratification of plants.
8. Explain the Phyto-remediation of hazardous compounds.

### Section C

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

9. Write an essay on Edaphic factors.
10. Describe the types of Hydrosere Succession.
11. Classify the Vegetation types of India and distinguish between Deciduous Forest and Grasslands.
12. Give an account on *In-situ* conservation and *ex-situ* conservation studied by you.
13. Explain various types of Sewage treatment in detail.

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