

**2023**

**BOTANY — HONOURS**

**Paper : DSE-B-4**

**(Natural Resource Management)**

**Full Marks : 50**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

1. Answer **any five** questions : 2×5
- (a) What is sustainable development?
  - (b) Distinguish between estuary and wetland.
  - (c) Define Aquifer.
  - (d) What are the three 'R's in waste management?
  - (e) Define Ecological footprint.
  - (f) What is meant by environmental refugees?
  - (g) What is 'Green Bench'?
  - (h) What are the full forms of IUCN and UNEP?
2. Answer **any two** questions :
- (a) Write a brief note on different types of Land Utilization patterns in India. 5
  - (b) Discuss the threats of Biodiversity. 5
  - (c) What is Bioprospecting? How does it differ from Biopiracy? 3+2
  - (d) Write a brief note on Renewable and non-Renewable energy sources. 5
3. Answer **any three** questions :
- (a) What are wetlands? Why wetlands are called as 'Nature's kidneys'? Discuss about Ramsar Convention with relation to management of wetlands. Write the names of any two Ramsar sites of India. 1+3+4+2
  - (b) What are the different levels of Biodiversity? What are Biodiversity Hotspots? Name two Biodiversity Hotspots of India. Write a brief note on CBD. 3+1+2+4
  - (c) How does forest cover differ from tree cover? What are the causes of depletion of forest cover? Discuss the role of Agroforestry and Social forestry in Forest Management. 2+3+5

**Please Turn Over**

- (d) Write brief notes on *any two* of the following : 5×2
- (i) EIA
  - (ii) GIS
  - (iii) Participatory Resource Appraisal.
- (e) Write a note on India's efforts in Resource Management and Conservation. 10
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