

2021

BOTANY — HONOURS

Paper : DSE-B-8

(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) Distinguish between agricultural and pastoral land.
 - (b) What do you mean by bioprospecting?
 - (c) Write the full form of IUCN. State one major objective of IUCN.
 - (d) Mention the important criteria for the progress in economic sustainability.
 - (e) Distinguish between forest cover and tree cover.
 - (f) What are the four Rs used as basic principle of solid waste management?
 - (g) Define non-renewable resource. Give an example.
 - (h) What do you mean by environmental refugees?
2. Answer **any two** questions :
- (a) Write short notes on the importance of Agroforestry. 5
 - (b) What is EIA? Briefly state the importance of EIA on biodiversity conservation. 1+4
 - (c) Write a brief account on application of GIS in natural resource management. 5
3. Answer **any three** questions :
- (a) Briefly discuss the concept of sustainable utilisation of natural resources. Describe the management strategies for soil degradation. 5+5
 - (b) Define Biodiversity. State the significance and threats of Biodiversity. Enumerate briefly the National Biodiversity Action Plan of India. 2+4+4
 - (c) Comment on the forest types found in India. Mention the reasons for depletion of forest in India. 6+4

Please Turn Over

- (d) What are wetlands? Comment on the importance of wetlands. Enumerate the threats to wetlands. Name any two Ramsar sites in India. 2+3+3+2
- (e) Distinguish between conventional and non-conventional source of energy. 'Sun is the ultimate source of energy'. – Justify this statement. 5+5
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