

Roll No.

Total Pages : 2

MDE/M-24

4713

**NATURAL RESOURCES AND
BIODIVERSITY**

Paper–BOT–202

Time Allowed : 3 Hours]

[Maximum Marks : 80

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Explain briefly (not more than 150 words) : $4 \times 4 = 16$
- (a) Sources of Water pollution.
 - (b) Biosphere Reserve.
 - (c) Endemism.
 - (d) Provisioning services of Ecosystems.

UNIT–I

2. Explain the following : $2 \times 8 = 16$
- (a) Non-renewable resources and their classification.
 - (b) Explain the effects of degradation of Natural resources and their conservation strategies.
3. Write notes on the following : $2 \times 8 = 16$
- (a) Management of Waste lands in India.
 - (b) Sewage treatment Plant and its working.

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UNIT–II

4. (a) Classify energy sources and explain their importance in economic development. 8
- (b) Forest management strategies. 8
5. Discuss the following : $2 \times 8 = 16$
- (a) Ecosystem restoration- principles and practices.
 - (b) Energy plantations and Petrocrops

UNIT–III

6. Write short notes on the following : $2 \times 8 = 16$
- (a) Principles of Resources conservation.
 - (b) Global patterns of Biodiversity.
7. (a) Biological diversity : Importance, Concept and Levels biodiversity. 8
- (b) IUCN categories of Threat. 8

UNIT–IV

8. Briefly explain : $2 \times 8 = 16$
- (a) Captive breeding : Concept, Advantages and its Disadvantages.
 - (b) Wetland : Importance and their conservation.
9. What do you mean by sustainable development? Write about its guiding principles and strategies of sustainable development. 16

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