

**POST GRADUATE DIPLOMA IN
ENVIRONMENTAL AND
SUSTAINABLE DEVELOPMENT
(PGDESD)**

Term-End Examination

December, 2025

**MED-001 : UNDERSTANDING THE
ENVIRONMENT**

Time : 2 Hours

Maximum Marks : 50

Note : (i) *Attempt any **five** questions.*

(ii) *All questions carry equal marks.*

1. Describe the abiotic and biotic components of ecosystem. 5+5
2. Define any *five* of the following : 2×5=10
 - (a) Thermocline
 - (b) Greenhouse effect
 - (c) Mutualism

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- (d) Chemical weathering
 - (e) Biomes
 - (f) Deforestation
3. What is an estuary ? Describe the different types of adaptations of organisms in estuarine systems. 10
4. What do you mean by conservation ? Describe the methods of land and soil conservation. 10
5. Discuss the origin and role of organic matter in soil. 10
6. Describe the composition and stratification of atmosphere. 10

Or

Give a concise account of lotic habitats.

7. Write detailed notes on any *two* of the following : 5+5
- (a) El-nino southern oscillation
 - (b) Thermal stratification in lake
 - (c) Types of food chain
 - (d) Acid rain

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