

**POST GRADUATE DIPLOMA IN
ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT
(PGDES)**

Term-End Examination

December, 2024

MED-001 : UNDERSTANDING THE ENVIRONMENT

Time : 2 Hours

Maximum Marks : 50

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

(ii) All questions carry equal marks.

1. What are grasslands ? Discuss the consequences of human activities on grasslands. 10
2. Discuss the adaptations of organisms in an estuarine ecosystem. 10
3. What are ecological pyramids ? Describe the ecological pyramid of energy. Why is it always upright ? 2+6+2=10

4. (a) Explain giving examples the ecosystem resistance and resilience. 5
- (b) Explain ecosystem self-regulation for the aquatic ecosystem. 5
5. (a) Explain the concept of ecosystem. Describe the components of ecosystem. 2+5=7
- (b) Discuss how complex food webs stabilize the ecosystem. 3
6. Write short notes on any *two* of the following : 5+5=10
- (a) Biomedical waste
- (b) Population growth trends in India
- (c) Causes of environmental degradation
7. Define water pollution. List any *five* water pollutants. Discuss the types of water pollutants, their source and effects. 1+2+7=10

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