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MED-001

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

Term-End Examination

June, 2024

**MED-001 : UNDERSTANDING THE
ENVIRONMENT**

Time : 2 Hours

Maximum Marks : 50

Note : Attempt any *five* questions. All questions carry equal marks.

1. Attempt any five of the following :

- (a) Represent the idealised scheme of biosphere in relation to atmosphere biosphere and lithosphere through diagram.
- (b) List various rock forming processes.

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- (c) Define the term soil structure. How is it different from soil texture.
 - (d) How are viruses different from bacteria ?
 - (e) List the grouping of organism according to principal sources of carbon and energy. $2 \times 5 = 10$
 - (f) Give the importance of photosynthesis. 10
2. Define biomes. Explain the role of climate in the distribution of biomes. 10
3. Describe the regions of vegetation in the littoral zones of lakes. 10
4. Differentiate between Intra and Inter specific interactions among species. Describe competition and predation by citing appropriate examples. $3 + 7 = 10$
5. (a) List the inputs and outputs in relation to a stream ecosystem that flows across the forest. 5
- (b) Give an account of components of ecosystem. 5
6. What is energy ? Give an account of flow of energy in an ecosystem. 10
7. What are geochemical cycles ? Describe the carbon cycle with suitable diagram. 10

P.T.O.