No. of Printed Pages: 3

POST GRADUATE DIPLOMA IN ENVIRONMENT AND SUSTAINABLE DEVELOPMENT (PGDESD)

Term-End Examination December, 2022

MED-001: UNDERSTANDING THE ENVIRONMENT

Time: 2 Hours Maximum Marks: 50

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

- 1. Answer any *five* of the following: 2 each
 - (a) Briefly discuss the prevailing viewpoints regarding the environmental concerns.
 - (b) Explain why does atmospheric pressure decrease with increasing altitude.
 - (c) Describe El Nino phenomenon.

[2] MED-001

- (d) "Flow of energy in an ecosystem is unidirectional." Explain.
- (e) Explain homeostasis.
- (f) List any *four* initiatives that are required for eco-restoration of degraded land.
- Define biomes. Explain the role of climate on the distribution of biomes.
- 3. Differentiate between any four of the following : $2\frac{1}{2} \!\!\times\! 4 \!\!=\! 10$
 - (a) Weather and climate
 - (b) Autotrophs and heterotrophs
 - (c) Savannas and grassland
 - (d) Inputs and outputs of an ecosystem
 - (e) Pioconcentration and biomagnification
- Describe noise and radiation pollution and discuss their adverse affects.
 4+4+2=10

Or

Discuss the important measures that have been taken by Government to control air pollution.

- What are sedimentary biogeochemical cycles?
 Describe the sulphur cycle with suitable diagram.
- 6. (A) Write short notes on any two of the following: $2.5\times2=5$
 - (a) Estuaries
 - (b) Detritus food chain
 - (c) Pyramid of numbers
 - (d) Greenhouse gases
 - (B) When does overpopulation occur?

 Differentiate between people overpopulation and consumption overpopulation.

 2+3=5