

Roll No.

Subject Code—2093

P.G.Diploma EXAMINATION

ENVIRONMENTAL MANAGEMENT

PGDEM-01

Fundamentals of Environment

Time : 3 Hours

Maximum Marks : 100

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. (a) Define Environment. Write down biotic and abiotic components of environment. 8
- (b) What do you mean by hydrosphere ? Categorise different types of aquatic systems. Describe briefly the characteristic of a marine system. 12

2. Write notes on the following :
- (a) Lithosphere
 - (b) Evolution of atmosphere. 2×10

Unit II

3. (a) Define Biosphere. Write down different organisational levels of biosphere. 7
- (b) Describe the characteristics possessed by a population. 13
4. Write notes on the following :
- (a) Ecological balance
 - (b) Nitrogen cycle
 - (c) Models of energy flow. 5+7+8

Unit III

5. Write notes on the following :
- (a) Soil erosion
 - (b) Deforestation. 2×10
6. (a) What is eutrophication of a lake ? Write down remedial measures for its control. 12
- (b) Explain impacts of agriculture on the environment. 8

Unit IV

7. (a) Describe briefly the environmental problem related to population growth.

10

- (b) Explain evolution of humans on the earth.

10

8. Write notes on the following :

(a) Population explosion

(b) Population growth trends

(c) Doubling time.

8+8+4