

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

01578

Term-End Examination

June, 2015

MED-001 : UNDERSTANDING THE ENVIRONMENT

Time : 2 hours

Maximum Marks : 50

Note : All questions are compulsory.

1. Distinguish between any *five* of the following : $5 \times 2 = 10$
 - (a) Weather and Climate
 - (b) Physical and Chemical Weathering
 - (c) Albedo and Scattering
 - (d) Lentic and Lotic
 - (e) Net Primary Production (NPP) and Net Community Production (NCP)
 - (f) Macrofauna and Meiofauna
 - (g) People over population and Consumption over population

2. Answer any *two* of the following :

(a) What is a soil profile ? Describe the various horizons of a typical soil profile. $2+1+2=5$

(b) Describe El Nino phenomenon and its impact on Indian Monsoon. $2\frac{1}{2}+2\frac{1}{2}=5$

(c) What is 'acid rain' ? How is it formed and why is it harmful ? $1+2+2=5$

3. Describe the salient features of nitrogen cycle. Highlight the problems caused by human impact on N_2 -cycle. $7+3=10$

4. (a) Discuss the consequences of deforestation. 5

(b) Briefly describe any five renewable energy sources. 5

OR

What do you understand by succession ?

What is the role of pioneer species in the process ? $2\frac{1}{2}+2\frac{1}{2}=5$

5. What is pollution ? Describe the major types of air pollutants and their sources, along with the consequences. $2+8=10$

OR

Discuss the causes and consequences of global warming.