

B.Sc. (Part-I) Semester—I Examination
ENVIRONMENTAL SCIENCE
(Concept of Environmental Science)

Time : Three Hours]

[Maximum Marks :80

N.B. :— (1) **ALL** questions are compulsory.

(2) Draw well labelled diagrams.

1. (A) Fill in the blanks :

(i) Granite is the example of _____ rock. ½(ii) The science which deals with the causes and consequences of earthquakes is _____. ½(iii) The stratospheric cirrus clouds are also called as _____. ½(iv) Savannah is dominated by _____ vegetation. ½

(B) Choose correct alternatives from given choices :

(i) The sum of variety of weather conditions of a particular area is called as :

(a) Climate (b) Humidity (c) Atmosphere ½

(ii) Stratus is the example of :

(a) High clouds (b) Middle clouds (c) Low clouds ½

(iii) Humus is nothing but _____ content of the soil :

(a) Metallic (b) Organic (c) Inorganic ½

(iv) Typhoons and Hurricanes are the examples of :

(a) Volcanoes (b) Floods (c) Cyclones ½

(C) Answer in one sentence :-

- (i) What is temperature inversion ? 1
- (ii) Define Humidity. 1
- (iii) Give any one example of marine medicinal resource. 1
- (iv) What is soil profile ? 1

2. Describe in brief :

- (a) Environmental ethics. 4
- (b) Composition of atmosphere. 4
- (c) Metamorphic rocks. 4

OR

- (d) Digrammatic representation of Hydrological cycle. 4
- (e) Types of igneous rocks. 4
- (f) Ozonosphere. 4

3. Describe in brief :

- (g) Types of fresh water resources. 4
- (h) Strategies of conservation of forest resources. 4
- (i) Digrammatic representation of soil profile. 4

OR

- (j) Minor Forest products. 4
- (k) Types of mineral resources. 4
- (l) Humus and its significance. 4

4. What is temperature ? Give the horizontal distribution of temperature. Describe temperature inversion with significance. 12

OR

What is wind ? How does it originate ? Describe different world wide wind patterns. 12

5. Describe in brief :
- (m) Vapour pressure. 4
 - (n) Convectional precipitation. 4
 - (o) Mechanism of El-Nino. 4

OR

- (p) Middle clouds. 4
 - (q) Sleet and hail as forms of precipitation. 4
 - (r) Indian monsoon with significance. 4
6. Describe savannah biome with respect to their temperature, wind pattern, precipitation and vegetation. 12

OR

What are earthquakes ? Describe its causes, distribution and effects. 12

7. Describe in brief :
- (s) Zonation in sea. 4
 - (t) Origin and types of oceanic currents. 4
 - (u) Petroleum deposits as marine resources. 4

OR

- (v) Chemical properties of marine environment. 4
- (w) Waves and tides as oceanic movements. 4
- (x) Marine medicinal resources. 4

