

## B.Sc. (Part-I) Semester-I Examination

## ENVIRONMENTAL SCIENCE

## (Concepts of Environmental Science)

Time : Three Hours]

[Maximum Marks : 80

**Note** :—(1) All questions are compulsory.

(2) Draw well labelled diagram wherever necessary.

1. (A) Fill in the blanks with appropriate words and rewrite the sentences :

(i) Lower most layer of atmosphere is \_\_\_\_\_.  $\frac{1}{2}$ (ii) In atmosphere the vapour condenses normally into liquid at a point called \_\_\_\_\_.  $\frac{1}{2}$ (iii) The rocks formed from cooling of Lava are called \_\_\_\_\_.  $\frac{1}{2}$ (iv) The up dwelling molten rocks that comes out through the vent of volcano is called \_\_\_\_\_.  $\frac{1}{2}$ 

(B) Choose the correct alternatives from the given choices :

(i) Which clouds are dangerous for air crafts ?  $\frac{1}{2}$ 

(a) Stratus (b) Cumulonimbus

(c) Altostratus (d) Stratocumulus

(ii) Tropical savannah is dominated by :  $\frac{1}{2}$ 

(a) Conifers (b) Grasses

(c) Mosses (d) Ferns

(iii) Which of the following is not the physical property of marine environment ?  $\frac{1}{2}$ 

(a) Viscosity (b) Light penetration

(c) Temperature (d) Salinity

(iv) \_\_\_\_\_ is the unit of atmospheric humidity.  $\frac{1}{2}$ 

(a) % percentage (b) Lux

(c) Simens (d) °C

(C) Answer in **one** sentence :

(i) Define lapse rate. 1

(ii) What are doldrums ? 1

(iii) Give any 3-marine medicinal resources. 1

(iv) What is cyclonic precipitation ? 1

2. Describe with diagram hydrological cycle. 12

**OR**

What are rocks ? Describe Igneous rocks. 12

3. Write on the following :
- (a) Types of fresh water resources. 4
  - (b) Strategies for the conservation of forests. 4
  - (c) Humus and its significance. 4

**OR**

- (d) Types of mineral resources. 4
  - (e) Demand and utilization of water resources. 4
  - (f) Process of soil formation. 4
4. What is temperature ? Mention horizontal temperature distribution. Add a note on temperature inversion. 12

**OR**

Define wind. Give the factors affecting wind motion. Describe different global wind patterns. 12

5. Write on the following :
- (g) Concept of fog. 4
  - (h) Low clouds. 4
  - (i) Arabian sea branch of monsoon. 4

**OR**

- (j) Mechanism of El-Nino. 4
  - (k) Orographic precipitation. 4
  - (l) Rain as a form of precipitation. 4
6. Write on the following :
- (m) Distribution of tropical rainforests. 4
  - (n) Vegetation of savanna. 4
  - (o) Consequences of floods. 4

**OR**

- (p) Consequences of cyclones. 4
- (q) Causes of earthquakes. 4
- (r) Climate of taiga. 4

7. Write on the following :
- (s) Physical properties of marine environment. 4
  - (t) Effects of Tsunami. 4
  - (u) Mineral resources from marine environment. 4

**OR**

- (v) Oceanic currents. 4
- (w) Petroleum deposits in marine environment. 4
- (x) Chemical properties of marine environment. 4