

## 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 \_\_\_\_\_. ½(ii) In atmosphere the vapour condenses normally into liquid at a point called \_\_\_\_\_. ½(iii) The rocks formed from cooling of Lava are called \_\_\_\_\_. ½(iv) The up dwelling molten rocks that comes out through the vent of volcano is called \_\_\_\_\_. ½

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

(i) Which clouds are dangerous for air crafts ? ½

- |                 |                   |
|-----------------|-------------------|
| (a) Stratus     | (b) Cumulonimbus  |
| (c) Altostratus | (d) Stratocumulus |

(ii) Tropical savannah is dominated by : ½

- |              |             |
|--------------|-------------|
| (a) Conifers | (b) Grasses |
| (c) Mosses   | (d) Ferns   |

(iii) Which of the following is not the physical property of marine environment ? ½

- |                 |                       |
|-----------------|-----------------------|
| (a) Viscosity   | (b) Light penetration |
| (c) Temperature | (d) Salinity          |

(iv) \_\_\_\_\_ is the unit of atmospheric humidity. ½

- |                  |         |
|------------------|---------|
| (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 ? 12. 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