

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

ENVIRONMENTAL SCIENCE

(Concept of Environmental Science)

P. Pages : 4

Time : Three Hours]

[Max. Marks : 80

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- Note :** (1) All questions are compulsory.
(2) Draw well labelled diagrams.

1. (A) Fill in the blanks :—

(i) Marble is the example of _____
Rock. $\frac{1}{2}$

(ii) Troposphere and stratosphere are
separated by the transition zone called
_____. $\frac{1}{2}$

(iii) _____ and _____ are the two
types of low level clouds. $\frac{1}{2}$

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

(B) Choose correct alternatives :—

(i) The main atmospheric layer near the
surface of earth is _____

(a) Troposphere (b) Hydrosphere

(c) Hydrospheric $\frac{1}{2}$

- (ii) _____ is the form of precipitation
(a) Drizzle (b) Dust
(c) Carbondioxide $\frac{1}{2}$
- (iii) The amount oxygen present in atmosphere is _____
(a) 78% (b) 50%
(c) 20% $\frac{1}{2}$
- (iv) The relative humidity is express in _____
(a) Percentage % (b) $^{\circ}\text{C}$
(c) Kilometer. $\frac{1}{2}$
- (C) Answer in **One** sentences :—
- (i) Determine soil profile. 1
(ii) Determine Lithosphere. 1
(iii) What are natural resources ? 1
(iv) Two examples of marine medicinal resource. 1

2. Describe in brief :—

- (a) Stratosphere and its importance. 4
(b) Environmental ethics and its types. 4
(c) Sedimentary Rocks. 4

OR

- (d) Diagrammatic representation of structure of atmosphere. 4

- (e) Biosphere and its boundries. 4
- (f) Distribution of water. 4
3. Explain in brief :—
- (g) Types of water Resources. 4
- (h) Uses of mineral Resources. 4
- (i) Formation of soil with respect to Physical Weathering.. 4

OR

- (j) Methods for Water Resources Conservation. 4
- (k) Uses of Forest Resources. 4
- (l) Well labelled diagram of soil profile. 4
4. What is temperature ? Discuss Horizontal distribution of temperature. Discuss lapse rate with mechanism. 12

OR

What is Wind ? Discuss doldrums, trade and prevailing westerlies wind pattern. 12

5. Describe in brief :—
- (m) Monsoon and its origin. 4
- (n) El nino and its environmental impacts. 4
- (o) Vapour pressure. 4

OR

- (p) Convection precipitation. 4
- (q) Fog. 4
- (r) Middle clouds. 4
6. Discuss in detail Tropical Rain Forest with respect to temperature, wind pattern and Vegetation. 12

OR

What are Floods ? Discuss Causes and effects of Floods. 12

7. Discuss in brief :—
- (s) Chemical properties of Marine Environment. 4
- (t) Medicinal value of marine resources. 4
- (u) Effects of Tsunami. 4

OR

- (v) Physical properties of Marine Environment. 4
- (w) Food value of marine resource. 4
- (x) Waves and tides as oceanic movement. 4

