

AP-400

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

Time : Three Hours]

[Maximum Marks : 80

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

1. (a) Fill in the blanks :

- (i) _____ is a major forest timber product. $\frac{1}{2}$
- (ii) There are _____ types of rocks. $\frac{1}{2}$
- (iii) O_3 is present in the _____ layer of atmosphere. $\frac{1}{2}$
- (iv) _____ is a marine medicinal resource. $\frac{1}{2}$

(b) Choose correct answer from the given choices.

- (i) The tropical rain forest is distributed in _____ State of India.
 - (a) Assam
 - (b) Kerala
 - (c) Maharashtra. $\frac{1}{2}$

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(Contd.)

(ii) The atmospheric pressure is measured by the instrument _____.

(a) Barometer

(b) Hygrometer

(c) Thermo-hygrometer

$\frac{1}{2}$

(iii) _____ is the form of precipitation.

(a) Hail

(b) Temperature

(c) Lapre rate

$\frac{1}{2}$

(iv) _____, mantle and core are the three layers of the earth.

(a) Crust

(b) Rocks

(c) Minerals

$\frac{1}{2}$

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

(i) What are minerals?

1

(ii) Define Humidity.

1

(iii) Define Biosphere.

1

(iv) Define Volcano.

1

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7. Describe in brief :

(a) Marine Food Resources

4

(b) Effects of Tsunami

4

(c) Oceanic waves and tides.

4

OR

(d) Chemical properties of sea water

4

(e) Marine medicinal resources

4

(f) Marine minerals and their importance.

4

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2. Explain in brief :

- | | |
|---|---|
| (a) Boundaries of biosphere. | 4 |
| (b) Structure of atmosphere | 4 |
| (c) Hydrological cycle (diagramme only) | 4 |

OR

- | | |
|--|---|
| (d) Principles of Environmental Science. | 4 |
| (e) Igneous rock. | 4 |
| (f) Internal structure of the earth. | 4 |

3. Describe the water resources. Give the types of water resources. Write a note on Water Resources Conservation.

12

OR

Describe the process of soil formation. Give the composition of soil.

12

4. Describe in brief :

- | | |
|----------------------------|---|
| (a) Wind Origin. | 4 |
| (b) Types of Humidity | 4 |
| (c) Temperature inversion. | 4 |

OR

- (d) Solar heat budget 4
- (e) Lapre rate 4
- (f) Concept of insolation. 4

5. Explain in brief :

- (a) Concept of Fog 4
- (b) Types of Clouds 4
- (c) Types of Precipitation. 4

OR

- (d) Indian monsoon's role in Rainfall pattern 4
- (e) El-Nino concept 4
- (f) Forms of precipitation. 4

6. Describe the causes, types and the effects of Volcanos. 12

OR

Describe tropical rain forests with special reference to its climatic conditions. 12