

(i) Significance of wind. 4

OR

(j) Concept of solar radiations and energy. 4

(k) Solar heat budget. 4

(l) Lapse Rate. 4

5. Describe in brief :

(m) El-Nino concept. 4

(n) Significance of Monsoon. 4

(o) Types of clouds. 4

OR

(p) Forms of precipitation. 4

(q) Atmospheric and vapour pressure. 4

(r) Concept of fog 4

6. What are geological hazards ? Explain earthquakes as geological hazards. What are the causes and effects of earthquake ? 12

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

ENVIRONMENTAL SCIENCE

(Concept of Environmental Science)

P. Pages : 5

Time : Three Hours]

[Max. Marks : 80

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

1. (A) Fill in the blanks :—

(i) The process of soil development is known as _____ . $\frac{1}{2}$

(ii) The % of Nitrogen in the atmosphere is _____ . $\frac{1}{2}$

(iii) The atmospheric humidity is measured by the instrument _____ . $\frac{1}{2}$

(iv) The atmospheric pressure is measured by the instrument _____ . $\frac{1}{2}$

(B) Choose correct alternative from the given choices.

(i) _____ is the non metallic mineral.

(i) Gold

(ii) Copper

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- (iii) Diamond. $\frac{1}{2}$
- (ii) The rainfall is measured by _____
- (i) Hygrometer
- (ii) Barometer
- (iii) Rain gauge. $\frac{1}{2}$
- (iii) _____ is the major earthquake in April 2015
- (i) Shimla Earthquake
- (ii) Nepal Earthquake
- (iii) Japan Earthquake. $\frac{1}{2}$
- (iv) The soil temperature is measured by _____
- (i) Thermometer
- (ii) Soil thermometer
- (iii) Hygrometer. $\frac{1}{2}$
- (C) Answer in **one** sentence :
- (a) Define Natural Resources. 1
- (b) Define Meteorology. 1
- (c) Define Cyclones. 1
- (d) Define humus. 1

2. Explain in brief :
- (a) The types of rocks. 4
- (b) Atmospheric composition. 4
- (c) Hydrological cycle. 4

OR

- (d) Structure of Atmosphere. 4
- (e) Biosphere composition. 4
- (f) Structure of the Earth. 4
3. What are forest resources. Describe the uses of forest resources. 12

OR

Describe the process of soil formation. Enlist the significance of humus. 12

4. Explain in brief :-
- (g) Types of humidity. 4
- (h) Solar radiations and their role in heat budget. 4

OR

Describe the climatic conditions of rainforest with reference to its vegetational composition. 12

7. Describe in brief :-

- (s) Marine food resources. 4
- (t) Medicinal Resources in Marine Ecosystem. 4
- (u) Mineral resources in Marine Environment. 4

OR

- (v) Physical properties of Marine water. 4
- (w) Zonation in sea water. 4
- (x) Effects of Tsunami. 4

