

01-P-I - Environmental Science Paper-I
(Fundamentals of Environmental Science)

P. Pages : 2

Time : Three Hours



GUG/W/18/1208

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Illustrate the answers with suitable diagrams and examples.

1. Explain in detail structure of the earth's interior. Add a note on special features of the earth. **10**

OR

- Discuss in brief the segments of total environment. **10**

2. Discuss hydrological cycle and the processes involved in it. **10**

OR

- Describe texture, density and soil air as a physical properties of soil. **10**

3. a) Explain phenomenon of nucleosynthesis of elements. **2½**

- b) What are clouds? Briefly explain its classification. **2½**

- c) Discuss freshwater resources in India. **2½**

- d) Describe soil profile. **2½**

OR

- e) Discuss Big Bang theory. **2½**

- f) What is weather forecasting? State role of satellite in weather forecasting. **2½**

- g) Explain lentic water environment. **2½**

- h) Give the consequences of over exploitation of mineral resources. **2½**

4. a) Briefly explain the importance of reactive compounds. **2½**

- b) Explain forms of precipitation? **2½**

- c) What is El-Nino phenomenon? **2½**

- d) Explain major soil types of India. **2½**

OR

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| e) | Explain solar system in brief. | 2½ |
| f) | What is temperature inversion? | 2½ |
| g) | What is La Nino Phenomenon? | 2½ |
| h) | Write a brief note on conservation of mineral resources. | 2½ |

5. Answer in 2-3 lines **any ten.**

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| a) | What are meteorites? | 1 |
| b) | What is approx. age of the earth? | 1 |
| c) | What is Ice age? | 1 |
| d) | Define lapse rate. | 1 |
| e) | Distinguish between weather and climate. | 1 |
| f) | Define climatology. | 1 |
| g) | Name the physical factors of marine environment. | 1 |
| h) | What is thermal stratification of lake. | 1 |
| i) | What is lotic environment. | 1 |
| j) | What is basic soil? | 1 |
| k) | Define pedology. | 1 |
| l) | What are metamorphic rocks? | 1 |
