

B.Sc. (Part-I) (C.B.C.S. Pattern) Sem-I  
**USENVT01 - Environmental Science Paper-I**  
**(Fundamentals Of Environmental Science)**

P. Pages : 1

Time : Three Hours



**GUG/S/19/11550**

Max. Marks : 50

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

1. How earth is formed? Describe the structure of earth. How life is originated on earth? **10**
- OR**
- a) Describe Big Bang theory. Add a note on solar system. **5**
- b) Describe theoretical and applied aspects of Environmental science. State key concepts in it. **5**
2. What are clouds? Describe their classification. **10**
- OR**
- a) Describe chemical species and particulates in the atmosphere. What is lapse rate and temperature inversion? **5**
- b) Discuss methods for weather forecasting. Highlight role of satellite in it. **5**
3. State fresh water resources of India. Describe characteristic features of lentic environment. **10**
- OR**
- a) Give salient features of oceans and groundwater. **5**
- b) Describe zonation of marine environment. Write in brief about El-Nino phenomenon. **5**
4. How formation of rocks took place? Describe types of rocks with their characteristic features. **10**
- OR**
- a) State importance of minerals. What are consequences of over exploitation of them? **5**
- b) Describe soil profile. **5**
5. Answer in 2-3 lines **any ten** **1x10=10**
- a) What is aura?
- b) What is mantle?
- c) Which components are studied in geosciences?
- d) Name segments of total environment.
- e) What is fog?
- f) Which instrument is used to measure solar radiation?
- g) What are glaciers?
- h) In which unit salinity is reported?
- i) Name the processes involved in hydrological cycle.
- j) Define pedology.
- k) What are acidic soil?
- l) State major soil types in Maharashtra.

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