

B.Sc. (Part-I) (CBCS Pattern) Semester-I
**USENVT01 - Environmental Science Paper-I - Fundamentals of
Environmental Science**

P. Pages : 1

Time : Three Hours



GUG/S/25/11550

Max. Marks : 50

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

1. Describe the different components of environmental science. 10
OR
a) Write a short note on aura and meteorite. 5
b) Explain the structure of earth with respect to crust, mantel & core. 5
2. Explain the structure of atmosphere on the basis of composition and temperature. 10
OR
a) Define precipitation. Describe forms of precipitation. 5
b) Write short note on lapse rate and temperature inversion. 5
3. What are the salient features of major water compartments. 10
OR
a) Describe characteristics of lentic environment. 5
b) Explain Ei Nino and La Nina phenomena. 5
4. Define and explain the weathering process of soil formation. 10
OR
a) Explain the formation and characteristics features of metamorphic rock. 5
b) Define mineralogy. Explain consequences of over exploitation of mineral resources. 5
5. Answer in brief **any ten**. 10
a) Define nucleosynthesis.
b) Mention three eras.
c) Define environmental science.
d) Define climatology.
e) What is meteorology?
f) Which are the primary meteorological parameters?
g) Name the processes involved in hydrological cycle.
h) Which are the three thermal layers found in a lake?
i) Give the examples of lotic environment.
j) What is petrology?
k) Name the different layers of soil profile.
l) Give the examples of sedimentary rock.
