

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/23/11550

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. Describe the different components of environmental science. 10
- OR**
- a) What is Big Bang theory? Add a short note on solar system. 5
b) Explain the structure of earth with respect to crust, mantle and core. 5
2. Explain the structure of atmosphere on the basis of temperature. 10
- OR**
- a) Define cloud. Briefly explain classification of clouds. 5
b) Write short note on lapse rate and temperature inversion. 5
3. Discuss the salient features of major water compartments. 10
- OR**
- a) Describe zonation of marine environment. 5
b) Briefly explain El Niño and La Nina phenomenon. 5
4. Define and explain the weathering process. 10
- OR**
- a) Explain the formation and characteristic features of metamorphic rock. 5
b) Write a short note on formation of deposits of minerals. 5
5. Answer in briefly **any ten**. 10
- a) Define nucleosynthesis.
b) What is aura?
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 examples of sedimentary and metamorphic rock.
