

B.Sc. (Part-I) (NEP) - Semester-I
BSCES501 / STUG01ENVS001 Core Group - Environmental Science Paper-I :
Introduction to Environmental Science

P. Pages : 1

Time : Three Hours



GUG/W/24/15926

Max. Marks : 40

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

1. Explain formation of the earth Add a note on structure of the earth. 8
- OR**
- a) Discuss the scope of environmental science. 4
b) Describe the theoretical and applied aspects of environmental science. 4
2. Describe the structure of the atmosphere based on its composition and temperature. 8
- OR**
- a) Define precipitation. Describe forms of precipitation. 4
b) Give the difference between weather and climate. 4
3. Explain the salient features of major water compartments. 8
- OR**
- a) Describe characteristics of lotic environment. 4
b) Explain El Nino and La Nina phenomenon. 4
4. Define pedology. Describe the process of soil formation. 8
- OR**
- a) Explain the formation and characteristics features of igneous rock. 4
b) Define mineralogy. Discuss about important mineral of India. 4
5. Answer in brief **any eight**. 8
- a) Define nucleosynthesis.
b) What is Meteorite?
c) Define environmental science.
d) What is temperature inversion phenomenon?
e) What is condensation?
f) Which are the primary meteorological parameters?
g) Name the processes involved in hydrological cycle.
h) Enlist any three examples of fresh water resources.
i) Give the examples of lentic environment.
j) What is mineralogy?
k) Name the different layers of soil profile.
l) Give the examples of metamorphic rock.
