

Roll No. s

Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(CS) (2013 &amp; Onwards) (Sem.-4)

**ENVIRONMENT SCIENCE**

Subject Code : BCS-409

Paper ID : [72325]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

**SECTION-A****Q1 Answer briefly :**

- a) Why is environmental studies considered interdisciplinary?
- b) What is an ecological pyramid?
- c) Define Biodiversity. How is it conserved?
- d) How does the phenomenon of '*Eutrophication*' occur?
- e) Explain the First law of thermodynamics as applied to ecological energy flows.
- f) What is meant by sustainable development?
- g) Consider '*rain water harvesting*' as a water conservation measure.
- h) List the mitigation measures of natural disasters.
- i) Discuss the relationship between human health and environment.
- j) Give **any two** national family welfare programme initiated by government.

### SECTION-B

- Q2 “*Air Pollution has no frontiers*” Discuss on the basis global effects of air pollution.
- Q3 Consider computer as an energy intensive consumer product and suggest possible energy saving measures in using computers.
- Q4 Consider the Hydrological Cycle and establish water as a natural resource.
- Q5 Discuss the energy flow through a forest ecosystem.
- Q6 Discuss the environmental effects of urban transport. Consider the vehicular exhaust as a source of air pollution and explain the effects of the specific pollutants
- Q7 Consider the construction of technical institute teaching computer courses as a developmental activity. Explain the various environmental impacts (both positive and negative) of the project. List impacts under different categories (ecological, social, economical etc.) in a matrix form.