

Roll No. ....

Total No. of Questions : 09]

[Total No. of Pages : 02

**B.Tech. (Sem. - 6<sup>th</sup>)**

**ENVIRONMENTAL SCIENCE**

**SUBJECT CODE : CE - 216**

**Paper ID : [A0483]**

[Note : Please fill subject code and paper ID on OMR]

**Time : 03 Hours**

**Maximum Marks : 60**

**Instruction to Candidates:**

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C.

**Section - A**

**Q1)**

**(10 x 2 = 20)**

- a) What are the causes of Environmental Pollution?
- b) Define the terms waste water reuse and waste water recycling.
- c) List out the harmful effects due to disposal of industrial waste without adequate treatment.
- d) What are the sources of air pollution?
- e) What is the Hardness of water?
- f) How is the economy affected by global warning?
- g) Define the term Biochemical Oxygen Demand (BOD).
- h) How can you minimize emissions that contribute to acid rain?
- i) What is the hydrological cycle?
- j) What is soil Erosion? Explain.

## Section - B

(4 x 5 = 20)

- Q2) What are the main classes of air pollutants?
- Q3) Discuss the pattern and the principles governing energy flow through an ecosystem.
- Q4) What are the noise standards for occupational health and safety?
- Q5) What is the requirement of good housing? Explain the criteria for good housing.
- Q6) Discuss the objectives of major environmental acts in India's.

## Section - C

(2 x 10 = 20)

- Q7) What is the noise pollution? What are the effects of noise pollution and explain various methods to reduce the noise pollution.
- Q8) Describe the various water pollution sources? What precaution should be taken to prevent pollution of water sources?
- Q9) List the problem involved in the disposal of solid wastes. What is the role of the informal sector of municipal solid waste management?

