

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

Paper ID [A0611]

(Please fill this Paper ID in OMR Sheet)

B.Tech. (Sem. - 4th)

ENVIRONMENTAL SCIENCE (CE - 216)

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 × 2 = 20)

- a) Define Biodiversity. How is it conserved?
- b) Explain the role of Information Technology in human health.
- c) What is meant by Ozone Layer depletion and how it is caused?
- d) Define HIV/AIDS?
- e) Discuss the use of Bio-energy as a non - conventional source of energy.
- f) Describe Nuclear hazards.
- g) Define Forest and Desert Ecosystem.
- h) Describe Producers, Consumers and Decomposers.
- i) What is Disaster Management?
- j) Justify the necessity of Wasteland Development.

Section - B

(4 × 5 = 20)

- Q2) Justify the necessity of developing Non-conventional sources of energy.
- Q3) Define Environmental pollution and pollutants.
- Q4) Discuss the energy flow through Aquatic Ecosystem.
- Q5) What do you mean by Sustainable Development? How is the concept of carrying capacity associated with it?
- Q6) (a) What are the reasons for Depletion of Ozone Layer?
(b) List the adverse effect of depletion of the ozone layer. Suggest measures to prevent it.

Section - C

(2 × 10 = 20)

- Q7) Describe causes, effects and control measures of water pollution.
- Q8) Describe briefly ecosystem. Write short note on Forest Ecosystem and Grassland Ecosystem.
- Q9) Write short notes on :
- (a) Management of Municipal Solid Waste.
 - (b) Environment Protection Act.
 - (c) Environmental Scenerio in India.
 - (d) Biodiversity.