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Total No. of Questions : 09]

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Paper ID [CE019]

(Please fill this Paper ID in OMR Sheet)

B. Tech. (Sem. - 6th/7th/8th)

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) Describe Fertilizer and pesticide problems.
- b) Discuss effects of Dams on forest and tribal people.
- c) Differentiate between Soil erosion and desertification.
- d) Discuss benefits of Dams.
- e) Discuss various threats to Bio-diversity.
- f) What are the causes of Soil pollution.
- g) Explain the role of Information Technology in human health.
- h) Define HIV/AIDS?
- i) Discuss the use of Bio-energy as a non-conventional source of energy.
- j) Define Forest and desert ecosystem.

Section - B

(4 × 5 = 20)

Q2) (a) What is acid rain?

(b) What are the adverse effects of acid rain?

Q3) Discuss the role played by the non-conventional energy resources towards the protection of the environment.

Q4) Describe ecosystem. Write short note on forest ecosystem and Grassland ecosystem.

Q5) Define causes, effects and control measures of urban and industrial wastes.

Q6) Write short notes on:

(a) Management of Municipal Solid Waste.

(b) Environmental Scenario in India.

Section - C

(2 × 10 = 20)

Q7) Define briefly Environmental pollution and pollutants.

Q8) What do you mean by Sustainable Development. How is the concept of Carrying Capacity associated with it?

Q9) (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.

