

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (AE) (Sem.–5th)
ENVIRONMENTAL SCIENCE

Subject Code : CE-216

Paper ID : [A0718]

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 **FIVE** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A

1. Answer briefly :

- (a) Explain the concept of Ecosystem.
- (b) What is photochemical smog?
- (c) Discuss the salient features of Environment Protection Act.
- (d) Explain the effects of soil pollution.
- (e) Discuss the role played by overpopulation in causing pollution.
- (f) What are the effects of noise at the physiological level?
- (g) Write short note on land degradation.
- (h) What are the causes of Air Pollution?
- (i) What is wasteland reclamation?
- (j) What is thermal pollution?

SECTION-B

2. Write an explanatory note on mineral resources of India.
3. What is ecological succession? Describe its causes and basic types of ecological succession.
4. Discuss India's mega-diverse-biodiversity.
5. Discuss the process of aerobic and anaerobic decompositions of waste water.
6. What is rainwater harvesting? Name and discuss in brief the types of rainwater harvesting.

SECTION-C

7. Discuss the development and implementation of Family Welfare programme in India.
8. Justify the need for Forest Management. Explain the strategies adopted for conserving the forest health.
9. Define Radiation Pollution and its different types. Discuss the prevention and control of radiation pollution.