

CODE: 17CA51102

B. Tech I Year II Semester (R17) Regular Examinations, May/June - 2018

ENVIRONMENTAL STUDIES

(Common to EEE & CSE)

Time: 3 hours

Max Marks: 70

PART – A

1. Answer any **TEN** questions (10 x 2 = 20 Marks)
- (a) Name four segments of environment and explain them in brief.
 - (b) What are the causes of soil pollution?
 - (c) Differentiate between degradable and non-degradable pollutants.
 - (d) Mention the main cause of smog.
 - (e) Distinguish between deforestation and desertification.
 - (f) How can mineral resources be conserved?
 - (g) Discuss in brief the greenhouse effect.
 - (h) Write about function of producers, consumers and decomposers in an ecosystem.
 - (i) Describe the concept of an ecosystem.
 - (j) Write about energy flow in an ecosystem.
 - (k) Describe aquatic ecosystem.
 - (l) Define and differentiate between food chain and food web.

PART - B

Answer all **FIVE** units (5 x 10 = 50 Marks)

UNIT-I

2. What is Environment? Discuss the scope of Environment.

OR

3. Describe the importance of environment studies with illustrations.

UNIT-II

4. Analyze the serious ecological problems created by hydroelectric power generation with examples.

OR

5. Explain the applications of Solar energy and photovoltaic energy.

UNIT-III

6. Substantiate that INDIA is a mega biodiversity nation. Elaborate.

OR

7. Discuss the uses of biodiversity and its advantages.

UNIT-IV

8. List out Effects of air pollution on living organisms. What are the methods to control air pollution?

OR

9. Discuss the different practices used to reduce environmental pollution.

UNIT-V

10. Explain briefly about population explosion?

OR

11. Explain "polluter pay principle". Does it bring balance to the environment?
