

Reg No.: \_\_\_\_\_

Name: \_\_\_\_\_

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
 Fifth Semester B.Tech Degree (S,FE) Examination January 2023 (2015 scheme)

**Course Code: CE371****Course Name: ENVIRONMENT AND POLLUTION**

Max. Marks: 100

Duration: 3 Hours

**PART A***Answer any two full questions, each carries 15 marks.*

Marks

- |   |  |     |
|---|--|-----|
| 1 | a) What do you meant by environmental ethics?  | (5) |
|   | b) Identify the role of telecommunication in the study of environment.                               | (5) |
|   | c) What is Dobson?   | (5) |
| 2 | a) Explain "Atmospheric stability". Differentiate Adiabatic lapse rate and Dry adiabatic lapse rate. | (5) |
|   | b) What is "PAN" and how is it formed?   | (5) |
|   | c) What you meant by meant by "Jhooming"? And describe its effects on environment.                   | (5) |
| 3 | a) How acid rains are formed? Give their environmental significance.                                 | (8) |
|   | b) Give the important features of Bhopal Gas Tragedy.  | (7) |

**PART B***Answer any two full questions, each carries 15 marks.*

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|---|---|------|
| 4 | a) What are the consequences of over exploitation of water?                               | (7)  |
|   | b) In which way the hydro power generation facilities affects the quality of environment? | (8)  |
| 5 | a) Explain the public health aspects of municipal solid wastes?                           | (5)  |
|   | b) Describe the various criteria for the site selection of a sanitary landfill.           | (5)  |
|   | c) What is the significance of BOD and COD in a waste?                                    | (5)  |
| 6 | a) Identify and explain five important sanitation practices for a healthy environment     | (10) |
|   | b) Explain the importance of dissolved oxygen in a water body.                            | (5)  |

**PART C**

*Answer any two full questions, each carries 20 marks.*

- 7 a) What are the environmental impacts and mitigation measures of mining activities? (10)
- b) What is biomagnification? How nuclear materials contribute to soil pollution? (10)
- 8 a) What are the various characteristics of sound? And how we can control noise at receivers? (10)
- b) What do you mean by desertification? Explain the various causes and effects of the same. (10)
- 9 a) What do you mean by loudness? What is its unit? (5)
- b) Give the importance of weighting networks. What are the different types of networks and its uses? (10)
- c) Identify some of the source correction method of noise. (5)

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