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I/II/III/IV SEMESTER  
END-TERM EXAMINATION

Roll No.: 2K21 (EP/36)

B.Tech./B.Des.  
May - 2023

FEC-7 INTRODUCTION TO ENVIRONMENTAL SCIENCES

Duration: 2 Hours

Maximum Marks: 50

Note: Answer ANY TWO PARTS from each question.

All questions are compulsory and carry equal marks.

Assume suitable missing data, if any.

**Q. 1 Attempt ANY TWO of the following**

- |   |   |     |
|---|---|-----|
| a. Define pollutants and enlist any three water pollutants.   | 5 | CO1 |
| b. Compare the concepts of equality and equitability for the sustainable distribution of natural resources. | 5 | CO1 |
| c. Summarize physical and socio-economic environment.   | 5 | CO1 |

**Q. 2 Attempt ANY TWO of the following**

- |  |   |     |
|--|---|-----|
| a. Analyze the functional aspects of marine ecosystem.                 | 5 | CO2 |
| b. Analyze the effects of an unscientific landfill on the environment. | 5 | CO2 |
| c. Illustrate and explain oxygen cycle using a labelled diagram.       | 5 | CO2 |

**Q. 3 Attempt ANY TWO of the following**

- |  |   |     |
|--|---|-----|
| a. Apply scientific methods to address eutrophication of lakes.                            | 5 | CO3 |
| b. Relate climate change with the consumption of goods.                                    | 5 | CO3 |
| c. Apply scientific methods to control the release of pollutants from industrial chimneys. | 5 | CO3 |

**Q. 4 Attempt ANY TWO of the following**

- |  |   |     |
|--|---|-----|
| a. Evaluate the role of an individual in the conservation of natural resources.                          | 5 | CO4 |
| b. Appraise the role of water in maintaining the energy cycle in nature with examples.                   | 5 | CO4 |
| c. Defend the role of the branch of your Bachelor's Degree Program in the protection of the environment. | 5 | CO4 |

**Q.5 Attempt ANY TWO of the following**

- |   |   |     |
|---|---|-----|
| a. Suggest scientific ways to prevent forest fires.                                     | 5 | CO5 |
| b. Develop a methodology to protect endangered and endemic species of animals in India. | 5 | CO5 |
| c. Develop a solution to noise pollution on highways.                                   | 5 | CO5 |