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Roll No. _____

I/II/III/IV SEMESTER

B.Tech./B.Des.

END-TERM EXAMINATION

December / 2023

VAC27 / FEC7 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.

Marks CO#

Q. 1 Attempt ANY TWO of the following

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|--|---|-----|
| a. Describe the principles of equitable resource use and distribution. | 5 | CO1 |
| b. Explain forest resources and their ecological and socioeconomic importance. | 5 | CO1 |
| c. Discuss the transfer and transformation of energy within an ecosystem. | 5 | CO1 |

Q. 2 Attempt ANY TWO of the following

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|--|---|-----|
| a. Classify India's biogeographic regions based on their unique characteristics. | 5 | CO2 |
| b. Apply environmental management in reducing the risks and consequences of disasters. | 5 | CO2 |
| c. Examine the risks posed by chemicals in food and their impact on human health. | 5 | CO2 |

Q. 3 Attempt ANY TWO of the following

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|--|---|-----|
| a. Analyse climate change and its impacts on the environment and society. | 5 | CO3 |
| b. Classify the levels of biodiversity and their significance at global, sub-global, national, and local scales. | 5 | CO3 |
| c. Analyse the causes, effects, and control measures of marine pollution. | 5 | CO3 |

Q. 4 Attempt ANY TWO of the following

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|---|---|-----|
| a. Evaluate the challenges and opportunities of utilizing <your branch of Bachelor's program> for environmental health. | 5 | CO4 |
| b. Assess the impact of human activities on the carbon cycle. | 5 | CO4 |

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|--|---|-----|
| c. Evaluate benefits and problems associated with dams and their impact on ecosystems and society. | 5 | CO4 |
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Q.5 Attempt ANY TWO of the following

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| a. Develop a strategy for achieving sustainable lifestyle and promoting social and environmental justice. | 5 | CO5 |
| b. Plan an Environmental Calendar of Activities to raise public awareness. | 5 | CO5 |
| c. It has been observed that citizen lack motivation to segregate wastes produced by them. Develop a methodology to enhance waste segregation at household levels. | 5 | CO5 |