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Enrol. No.

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END SEMESTER EXAMINATION : APRIL-MAY, 2024

**INTRODUCTION
TO ENVIRONMENTAL STUDIES**

Time : 3 Hrs.

Maximum Marks : 60

Note: *Attempt questions from all sections as directed.*

SECTION – A (24 Marks)

Attempt any four questions out of five.

Each question carries 06 marks.

1. Write the causes, effects and mitigation measures for air, water and soil pollution.
2. What is an ecosystem. Explain the characteristics and functions of different ecosystems.
3. Differentiate between renewable and non-renewable resources with examples.

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4. Describe the biogeographical classification of India.

5. Explain the concepts of soil erosion and desertification, and their effects on land resources.

SECTION - B (20 Marks)

Attempt any two questions out of three.

Each question carries 10 marks.

6. Outline approaches to enhance waste management practices for greater efficiency and environmental sustainability.

7. Provide examples of food resource challenges globally and the impacts of modern agriculture practices such as fertilizer and pesticide use.

8. Discuss the various values of biodiversity and their significance in conservation efforts. Identify and explain the major threats to biodiversity.

SECTION - C (16 Marks) (Compulsory)

9. Population growth presents a global challenge with profound implications for sustainable development and environmental preservation. Family welfare programs are instrumental in addressing this issue by providing access to reproductive healthcare services and education. These programs empower individuals and couples to make informed decisions regarding family planning, thus aiding in the stabilization of population growth rates. Gender equality and women's empowerment are crucial for achieving sustainable development objectives. Women often bear the brunt of environmental degradation but are also pivotal agents of change within their communities. By ensuring equal access to education, healthcare, and economic opportunities for women, societies can harness their potential as leaders in environmental conservation and

sustainable development. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents, and the risk of a nuclear holocaust pose significant environmental and human security threats. Climate change and global warming, primarily driven by human activities like fossil fuel combustion and deforestation, result in rising temperatures, extreme weather events, and sea-level rise. Acid rain, stemming from emissions of sulfur dioxide and nitrogen oxides, adversely affects ecosystems, forests, and aquatic habitats.

- (a) What is the main goal of family welfare programs?
- (b) How does the promotion of gender equality contribute to the advancement of sustainable development?
- (c) What are the primary factors responsible for driving climate change and global warming?
- (d) What are the environmental and health impacts of acid rain on ecosystems?