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**BTECH**  
**(SEM I) THEORY EXAMINATION 2023-24**  
**ENVIRONMENT AND ECOLOGY**

**M.MARKS: 70**

**Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.

$$2 \times 7 = 14$$

1. Attempt all questions in brief.

- |    |   |
|----|---|
| a. | Who is the father of ecology in India?                                  |
| b. | Differentiate between producers and decomposer with examples.           |
| c. | Can any source of energy be pollution-free? Describe in brief.          |
| d. | What are the main causes of water pollution?                            |
| e. | What are ozone-depleting substances? Give examples.                     |
| f. | What are the main provisions of the Environment Protection Act of 1986? |
| g. | Write the need of environment education.                                |

$$7 \times 3 = 21$$

**2. Attempt any three of the following:**

- |    |  |
|----|--|
| a. | Describe environmental impact assessment (EIA) process.  |
| b. | How nutrient cycling differs from energy flow? Give the importance of Nutrient cycling.  |
| c. | What are the various effects of noise pollution on human health? How to prevent noise pollution?   |
| d. | What are the pieces of evidence of Climate Change? Also write the effects of acid rain.  |
| e. | Write causes of population explosion. Also explain its negative impact on environment. <a href="https://www.aktuonline.com">https://www.aktuonline.com</a> |

$$7 \times 1 = 7$$

3. Attempt any one part of the following:

- Attempt any one part of the following:
- |    |   |
|----|---|
| a. | Why are there less number of organisms at the top of the ecological pyramid?<br>Also Write the limitations of ecological pyramid. |
| b. | How you can achieve sustainable development? Also write the reasons of environmental crisis.                                      |

$$7 \times 1 = 7$$

4. Attempt any one What are some types of water.

- Attempt any one part of the following:
- a. What are some types of water-related diseases? How to avoid water-related diseases?
- b. What are the general health effects of the fluoride? Explain with help of schematic representation.
- 7 × 1 = 7

$$7 \times 1 = 7$$

5. Attempt 2 Differentiate with hazardous waste management

- Attempt any one part of the following.
- |    |  |
|----|--|
| a. | Differentiate with hazardous waste and Non-hazardous waste. Also give the name of types of solid waste management. |
| b. | Describe Current Challenges of Solid Waste Management in India.  |
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**Subject Code: BAS104**

**Roll No:**

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**TIME: 3HRS**

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6. Attempt any one part of the following:

a.	How does global warming affect climate change? Also write the effects of global warming.	$7 \times 1 = 7$
b.	Write the solution of paddy straw burning. Also write the adverse effects on the environment of paddy straw burning.	

7. Attempt any one part of the following:

a.	Describe the importance of women education.	7 x 1 = 7
b.	Explain activities undertaken by NGOs and also write the issues with NGOs.	

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