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

TIME: 3HRS

M.MARKS: 70

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

SECTION A

1. Attempt all questions in brief. 2 x 7 = 14

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.

SECTION B

2. Attempt any three of the following: 7 x 3 = 21

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.

SECTION C

3. Attempt any one part of the following: 7 x 1 = 7

a.	Why are there less number of organisms at the top of the ecological pyramid? Also Write the limitations of ecological pyramid.
b.	How you can achieve sustainable development? Also write the reasons of environmental crisis.

4. Attempt any one part of the following: 7 x 1 = 7

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.

5. Attempt any one part of the following: 7 x 1 = 7

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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6. Attempt any *one* part of the following:

7 x 1 = 7

a.	How does global warming affect climate change? Also write the effects of global warming.
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:

7 x 1 = 7

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

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