



PAPER ID-411443

Roll No.

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

TIME: 3 HRS

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

Q no.	Question	Marks	(/)
a.	Write the types of environments.	2	1
b.	Give the examples of natural resources.	2	1
c.	What is sustainable use of water resources?	2	2
d.	What are the Types of the Carbon Cycle?	2	3
e.	Carbon monoxide is more dangerous than carbon dioxide. Why?	2	4
f.	What is the role of a greenhouse in maintaining temperature?	2	4
g.	Why do farmers burn paddy straw?	2	5

SECTION B

2. Attempt any three of the following:

7 x 3 = 21

a.	What is the difference between geographical and man-made environments? Explain.	7	1
b.	Explain the threats that are responsible for the destruction of natural resources.	7	2
c.	How can the use of air conditioners cause air-pollution? What are the measures for the of air pollution?	7	3
d.	What is meant by ozone depletion? How CFC and other ozone depleting substances affect ozone shield?	7	4
e.	Discuss population explosion in Indian context. What are the major cause and effect of population explosion?	7	4

SECTION C

3. Attempt any one part of the following:

7 x 1 = 7

a.	What are the segments of environment? discuss in brief about each? Also show in sketch.	7	1
b.	Explain the impact of human activities on the Earth's physical geography.	7	1

4. Attempt any one part of the following:

7 x 1 = 7

a.	How is climate change affecting water resources? Explain.	7	2
b.	With neat sketch explain the major division of global carbon cycle.	7	2

5. Attempt any one part of the following:

7 x 1 = 7

a.	At one time, hand pump water was considered to be pure and used freely for drinking in villages but not now. Why? Comment on this statement.	7	3
b.	How do the three categories of municipal solid waste (compost, recycling and landfill) differ?	7	3

6. Attempt any one part of the following:

7 x 1 = 7

a.	How acid rain is formed? What remedial measures do you suggest?	7	4
b.	What are greenhouse gases? How it is correlated with global warming?	7	4

7. Attempt any one part of the following:

7 x 1 = 7

a.	Discuss the adverse impacts of urbanization and industrialization and suggests suitable remedial measures.	7	5
b.	With the help of a flow chart, explain the Environmental Impact Assessment process.	7	5