

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2025)

CLASS: B.SC
BRANCH: M & C / AI & ML

SEMESTER : I
SESSION : MO/2025

SUBJECT: CE24101 ENVIRONMENTAL SCIENCE

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
-

		CO	BL
Q.1(a)	Define ecological pyramid and discuss the types of ecological pyramid.	[2] 1	1
Q.1(b)	Classify components of environment with suitable examples.	[3] 1	1
Q.2(a)	Differentiate between nitrification and denitrification.	[2] 1	1
Q.2(b)	Discuss any two examples of non biological transfer and transport of environmental pollutants.	[3] 1	2
Q.3(a)	Classify the following pollutants as Primary or secondary: Nitrogen oxide, Carbon monoxide, PAN, O ₃ .	[2] 2	1
Q.3(b)	Give the graphical representation of the change in temperature (lapse rate) with altitude.	[3] 2	2
Q.4(a)	How is the CFCs responsible for ozone depletion?	[2] 2	2
Q.4(b)	Explain the functioning of a cyclone collector using a neat diagram.	[3] 2	2
Q.5(a)	Classify water resources. What are the various uses of water?	[2] 3	1
Q.5(b)	What are the sources of heavy metals in water?	[3] 3	1

:::::16/09/2025:::::E