

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

CLASS: BSC/BCA
BRANCH: AI&DS/CS/BCA

SEMESTER : I
SESSION : MO/2025

SUBJECT: CA25109 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
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		CO	BL
Q.1(a)	Describe the terms ecology and ecosystem.	[2] 1	1
Q.1(b)	Explain the components of ecosystem.	[3] 1	1
Q.2(a)	Explain Nitrogen cycle.	[2] 1	1
Q.2(b)	Elaborate food chain. Show a food web diagrammatically.	[3] 1	1
Q.3(a)	Differentiate between primary and secondary pollutants.	[2] 1	2
Q.3(b)	Explain the sources of air pollution .Elaborate upon the green house gases.	[3] 2	2
Q.4(a)	What are the health effects of air pollutants.	[2] 2	1
Q.4(b)	Using a diagram explain the structure of atmosphere.	[3] 2	2
Q.5(a)	Write a short note on air control methods.	[2] 2	2
Q.5(b)	State the common physical and chemical water pollutants.	[3] 2	2

:::26/09/2025:::E