

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2023)

CLASS: B.Tech
BRANCH: CSE/AI ML/ECE/EEE

SEMESTER: I
SESSION: MO/2023

SUBJECT: CE101 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)	Identify ecosystem services with few examples.	[2] 1	1
Q.1(b)	Explain the concept of energy flow in an ecosystem.	[3] 1	2
Q.2(a)	Define the positive interactions in an ecosystem.	[2] 1	1
Q.2(b)	With the help of a neat diagram illustrate the biogeochemical cycling of phosphorus.	[3] 1	2
Q.3(a)	List the various classification of air pollutants.	[2] 2	1
Q.3(b)	Interpret this statement: it is essential to study the tropospheric chemistry.	[3] 2	2
Q.4(a)	State the methods for control of particulate matter emissions from industries.	[2] 2	1
Q.4(b)	Using a neat sketch discuss the variations of temperature with altitude.	[3] 2	2
Q.5(a)	Summarize the various sources of water.	[2] 3	1
Q.5(b)	Explain different types of water pollution.	[3] 3	2

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