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

CLASS: BTECH   SEMESTER: I
BRANCH: AI&ML/CS/EC/EE   SESSION: MO/2022

SUBJECT: CE101 ENVIRONMENTAL SCIENCE

TIME: 2 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)	Classify the different types of ecosystems.	[2]	1	4
Q.1(b)	Explain how energy content varies with different trophic levels with suitable examples.	[3]	1	2
Q.2(a)	Explain ecological regulating services.	[2]	1	2
Q.2(b)	Classify biomass and number ecological pyramids with examples.	[3]	1	4
Q.3(a)	Compare indoor and outdoor air monitoring.	[2]	2	4
Q.3(b)	Justify that respirable particulate matters are detrimental to health.	[3]	2	5
Q.4(a)	Explain the working principle of Electrostatic Precipitators.	[2]	2	2
Q.4(b)	Summarize how vehicular pollution can be controlled.	[3]	2	2
Q.5(a)	Classify the sources of water pollution.	[2]	3	2
Q.5(b)	Explain eutrophication.	[3]	3	2

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