

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

CLASS: BTECH
BRANCH: AI&ML/CSE/EEE/ECE

SEMESTER: 1st
SESSION: MO/2022

SUBJECT: CE101 ENVIRONMENTAL SCIENCE

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q.1(a)	Explain the food chain and its types.	[5]	1 2
Q.1(b)	Enlist different types of positive ecological interactions and explain with examples.	[5]	1 2
Q.2(a)	Justify how photochemical reactions can lead to smog formation.	[5]	2 5
Q.2(b)	Discuss the control of particulate matter in ambient air in brief.	[5]	2 4
Q.3(a)	Classify and briefly discuss the types of secondary or biological wastewater treatments.	[5]	3 4
Q.3(b)	Draw a flow diagram of drinking water treatment plan stating the functions of different units?	[5]	3 2
Q.4(a)	Explain the important environmental properties of soil contaminants.	[5]	4 2
Q.4(b)	Draw and explain different components of a sanitary landfill.	[5]	4 6
Q.5(a)	Discuss the control measures for noise pollution.	[5]	5 2
Q.5(b)	Explain the different measures for radioactive waste disposal.	[5]	5 2

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