

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

**CLASS: B.Sc.(MC)
BRANCH: MATHEMATICS & COMPUTING**

**SEMESTER : 1st
SESSION : MO/2025**

SUBJECT: CE24101 ENVIRONMENTAL SCIENCES

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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		CO	BL
Q.1(a)	Explain the food chain and its types.	[5] 1	2
Q.1(b)	Define and classify Ecological pyramid. Construct the different types of ecological pyramid of a pond ecosystem	[5] 1	2
Q.2(a)	Justify how photochemical reactions can lead to smog formation.	[5] 2	3
Q.2(b)	Discuss the control of particulate matter in ambient air in brief.	[5] 3	3
Q.3(a)	Explain break point chlorination by means of experimental graph.	[5] 2	2
Q.3(b)	Draw a flow diagram of wastewater treatments plants and explain the functions of different units?	[5] 2	2
Q.4(a)	Identify the importance of soil water and the factors controlling the moisture content of soil	[5] 2	2
Q.4(b)	What are the different kinds of solid wastes? Explain the treatment and disposal method of solid wastes?	[5] 2	2
Q.5(a)	Discuss the control measures for noise pollution.	[5] 2	2
Q.5(b)	Describe briefly the sources and impact of noise pollution?	[5] 2	2

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