

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

CLASS: BCA
BRANCH: BCA

SEMESTER : I
SESSION : MO/2023

SUBJECT: CN109 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 structure of Ecosystem using suitable examples for each service.	[5] 1	2
Q.1(b)	Describe different types of Ecological pyramids with suitable examples.	[5] 1	2
Q.2(a)	Sketch and explain the definition, cause and effect of air pollution.	[5] 2	2
Q.2(b)	Describe various equipment used for air pollution control.	[5] 2	2
Q.3(a)	Briefly discuss the effect and sources of water pollution.	[5] 3	2
Q.3(b)	Explain schematically conventional wastewater treatment process for sewage treatment.	[5] 3	2
Q.4(a)	Discuss the sources and ecological and health effects of soil pollution.	[5] 4	2
Q.4(b)	Describe various collection and storage systems followed in municipal solid waste management.	[5] 4	2
Q.5(a)	Elaborate the cause, effects & control of noise pollution.	[5] 5	2
Q.5(b)	Discuss the radioactive pollution management techniques used in India.	[5] 5	2

:24/11/2023:E