

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

**CLASS: BBA  
BRANCH: MANAGEMENT**

**SEMESTER : III  
SESSION : MO/2024**

**SUBJECT: MN202 ENVIRONMENT 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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		CO	BL
Q.1(a)	Differentiate between biogeochemical cycle and energy flow.	[5]	1 3
Q.1(b)	What is an ecological pyramid, and what are its different types?	[5]	1 2
Q.2(a)	Compare renewable and non-renewable resources, explaining their advantages and disadvantages in terms of sustainability and environmental impact.	[5]	2 3
Q.2(b)	Explain the causes and impacts of floods and droughts on both the environment and human communities.	[5]	2 2
Q.3(a)	Explain structure and composition of unpolluted atmosphere.	[5]	3 2
Q.3(b)	Describe the working principle and methods of equipment used for controlling air pollution in industry.	[5]	3 3
Q.4(a)	What are the key parameters, and methods are commonly used to monitor the water quality?	[5]	4 2
Q.4(b)	Explain an advanced treatment method for removing nitrates or phosphates (either) from wastewater.	[5]	4 2
Q.5(a)	What are the primary causes of soil pollution, and how does it impact ecosystems and biodiversity?	[5]	5 3
Q.5(b)	What processes are involved in processing municipal solid waste (MSW)?	[5]	5 2

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