

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

**CLASS: MSc
BRANCH: ENVIRONMENTAL SCIENCE**

**SEMESTER : II
SESSION : SP/2025**

SUBJECT: ES527 INDUSTRIAL POLLUTION CONTROL

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 handbook/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q.1(a)	Define Industrial Pollution. What are the causes and types of industrial pollution?	[5]	1 K1
Q.1(b)	Describe air pollution sources and control in Thermal Power Plant?	[5]	1 K3
Q.2(a)	Discuss the effect of industrial waste on the different constituents of the aquatic environment?	[5]	2 K2
Q.2(b)	Describe the wastewater management in textile industries with a process flow diagram?	[5]	2 K3
Q.3(a)	Classify solid waste with suitable example?	[5]	3 K1
Q.3(b)	Describe the functional elements of solid waste with a neat sketch?	[5]	3 K2
Q.4(a)	Discuss rehabilitation and resettlement issues related to industrialization?	[5]	4 K2
Q.4(b)	Describe one of the eco restoration and land reclamation method?	[5]	4 K3
Q.5(a)	Describe occupational diseases with their target organ and possible symptoms?	[5]	5 K2
Q.5(b)	Discuss OSHA and its significance?	[5]	5 K1&2

:05/05/2025:E