

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

CLASS: BTECH/BHMCT/BSC/IMSC
BRANCH: BT/CHEMICAL/CE/ME/PIE/FT/HMCT/CHEMISTRY/ALL

SEMESTER : II
SESSION : SP/2025

SUBJECT: CE24101 / 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.
-

		CO	BL
Q.1(a)	Describe the role of abiotic and biotic factors of the ecosystem.	[5] 1	2
Q.1(b)	Discuss the types and the conservation practices of biodiversity.	[5] 1	2
Q.2(a)	Describe the types, and sources of particulate matters and their effects of human health.	[5] 2	2
Q.2(b)	Differentiate between the working principle of scrubbers and fabric filters with appropriate diagrams.	[5] 2	3
Q.3(a)	Using a flow diagram, discuss the steps involved in drinking water treatment in brief.	[5] 3	2
Q.3(b)	Explain the principle of secondary waste water treatment and its types in brief.	[5] 3	2
Q.4(a)	Discuss the causes and effects of soil pollution.	[5] 4	2
Q.4(b)	Describe the landfilling process in detail.	[5] 4	2
Q.5(a)	Discuss the sources and effects of noise pollution.	[5] 5	2
Q.5(b)	Explain the control methods to reduce noise pollution.	[5] 5	2

::::::29/04/2025::::::E