

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

CLASS: B.TECH/BHMCT/B.SC./IMSC.
BRANCH: BT/CHEMICAL/CIVIL/MECH/PIE/FT/HMCT/CHEMISTRY/QEDS/IMH/IPH

SEMESTER : II
SESSION : SP/2024

SUBJECT: 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.
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Q.1(a)	Describe ecological services with suitable example?	[5] 1	1
Q.1(b)	Describe ecological pyramids with suitable example?	[5] 1	2
Q.2(a)	Describe vehicular emission and control methods?	[5] 2	1
Q.2(b)	Discuss principle and working of centrifugal particulate collector?	[5] 2	2
Q.3(a)	With a neat sketch discuss activated sludge method?	[5] 3	2
Q.3(b)	Describe the causes and effects of algal bloom in a water body?	[5] 3	2
Q.4(a)	What are the different types of solid waste management? Describe composting method in detail.	[5] 4	1
Q.4(b)	Discuss soil profile? What are the ecological and health effects of soil pollution?	[5] 4	2
Q.5(a)	Discuss effects of noise on human health keeping in view of criteria noise standards?	[5] 5	1
Q.5(b)	Discuss different methods of radioactive waste disposal ?	[5] 5	2

:::25/04/2024:::E