

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

CLASS: BTECH/BARCH/BHMCT

BRANCH: BT/CHEMICAL/CP&P/CSE/IT/ECE/EEE/MECH/PROD/BARCH/BHMCT

SEMESTER : VII

SESSION : MO/2023

SUBJECT: CE430 ENVIRONMENTAL MANAGEMENT

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 the energy flow in the environment with suitable example?	[5]	1 K1
Q.1(b)	With a neat sketch discuss heat balance in the atmosphere?	[5]	1 K2
Q.2(a)	Define Rainwater harvesting? Discuss its components with a diagram?	[5]	2 K1
Q.2(b)	What are the objectives of watershed management, also enlist the methods of watershed management?	[5]	2 K2
Q.3(a)	Describe Photochemical smog and its effects on human health?	[5]	3 K1
Q.3(b)	Briefly discuss the noise pollution effects and control methods?	[5]	3 K2
Q.4(a)	Describe the power and functions of CPCB as per Water act, 1974?	[5]	4 K1
Q.4(b)	Differentiate between ISO9000 and ISO14000?	[5]	4 K2
Q.5(a)	Discuss with a diagram the energy generation from coal?	[5]	5 K1
Q.5(b)	Write short notes on (a)biomass based energy (b) Forest management	[5]	5 K2

:::29/11/2023:::M