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MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

II SEMESTER M. TECH (ENVIRONMENTAL ENGINEERING)
END SEMESTER EXAMINATION, MAY 2024
SUBJECT: Environmental Management [CIE 5410]
/ 05 /2024

TIME: 3 HRS.

MAX. MARKS: 50

Note: 1. Answer all questions.

2. Any missing data may be suitably assumed.

Q. No		Marks	CO
1A.	Explain their roles of various participants in Environmental management.	05	CO1
1B.	Explain the basic principles of international environmental law.	05	CO1
2A.	Construct a comprehensive synthesis detailing the operational framework utilized in carrying capacity studies.	05	CO2
2B.	What is EIA? Explain the purpose of conducting EIA? Define (i) Pigouvian tax (ii) carbon tax	05	CO2
3A.	Explain the different variants in Life cycle assessment.	05	CO3
3B.	Mention different types of Environmental Auditing. Explain in detail activity audit and liability audit.	05	CO3
4A.	With a neat sketch explain the various stages of Life cycle assessment.	05	CO3
4B.	Analyse the ROAST scale of environmental performance. Differentiate between continual improvement and continuous improvement.	05	CO4
5A.	Explain the various environmental valuation techniques.	05	CO5
5B.	Analyze the concept of Environmental Design. Evaluate two examples of Environmental Design, elucidating the specific benefits derived from each case study.	05	CO5