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MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL
(A constituent unit of MAHE, Manipal)

II SEMESTER M.TECH. (ENVIRONMENTAL ENGINEERING)

END SEMESTER EXAMINATIONS, APRIL/MAY 2019

SUBJECT: ENVIRONMENTAL MANAGEMENT [CIE 5244]

Date of exam:

Time of exam

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.

Q. No		Marks	CO
1A.	Explain any two Neo Malthusians theory on human population.	03	CO1
1B.	Who are the participants in Environmental management? Explain their roles in Environmental management.	03	CO1
1C.	Write a note on (i) Deep ecology (ii) Land ethic	04	CO1
2A.	What are EPI's? Explain with suitable examples any four cleaner production strategies.	05	CO2
2B.	Define Environmental management. Mention the characteristics of Environmental Management.	03	CO2
2C.	Differentiate between continual improvement and continuous improvement.	02	CO2
3A.	What is EIA? What are the purpose of conducting EIA?	04	CO3
3B.	Mention different types of Environmental Auditing. Explain in detail Activity audit and liability audit.	04	CO3
3C.	What is strategic environmental Assessment? Explain its application.	02	CO3
4A.	Discuss the ten point strategy classification of companies based on their environmental performance.	04	CO4
4B.	What are the needs for carrying capacity based studies?	02	CO4
4C.	Explain in detail the phases in Life cycle assessment.	04	CO5
5A.	Explain the principle of environmental design in building construction.	05	CO5
5B.	Explain different environmental costs in environmental economics.	05	CO5