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MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL
(A constituent unit of MAHE, Manipal)

2nd SEMESTER B.TECH.

END SEMESTER EXAMINATIONS, APRIL/MAY 2019

SUBJECT: ENVIRONMENTAL STUDIES [CIE 1052]

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

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

Q. No		Marks	CO
1A	List out the goals of environmental education.	2	1
1B	Describe the scenario of formal environmental education in India.	4	1
1C	Describe biogas energy and with a neat sketch show how biomass is converted to biogas.	4	2
2A	Discuss about the quantity of mineral deposits present in India.	4	2
2B	Describe the importance of abiotic components and list out the major functional attributes of an ecosystem.	3	2
2C	Discuss the features of an energy pyramids.	3	2
3A	With the help of a neat sketch explain the working principles of an Electrostatic precipitator.	4	3
3B	Explain any four preventive measures to control radioactive pollution.	2	3
3C	Write a short note on the sources and effects of biomedical wastes.	4	3
4A	Describe EIA and explain the different steps involved in EIA.	3	4
4B	Write a short note on: (i) The Indian fisheries act (ii) Noise pollution	4	3,4
4C	Explain the different phases in the disaster management cycle.	3	5
5A	List out any 6 factors that define the scale of a disaster.	3	5
5B	With the help of a case study, explain how unplanned urbanization in Indian cities has caused catastrophic environmental disasters for them.	3	5
5C	Expansion of hydel projects and tourism has been detrimental for Himalayan states. Elaborate the statement with the help of a case study.	4	2,3