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MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL
(A constituent unit of MAHE, Manipal)

SECOND SEMESTER B.TECH.

END SEMESTER EXAMINATIONS (MAKEUP), JUNE 2019

SUBJECT: **ENVIRONMENTAL STUDIES [CIE 1052]**

REVISED CREDIT SYSTEM

(/ / 2018)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

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

Q. No		Marks
1A	Discuss the roles of the following disciplines with respect to the environment. i) Atmospheric sciences ii) Ecology	4
1B	List out any four examples of clean technology.	2
1C	Explain the importance of forests.	4
2A	Describe Hydrogen energy and list out three basic ways to tap ocean for its energy.	4
2B	Explain Eutrophication of lakes.	3
2C	Sketch the flowchart of biodiversity conservation.	3
3A	Describe the sources and effects of marine pollution with reference to oil, plastics and radioactive substances?	3
3B	Explain the harmful effects of land pollution	3
3C	Differentiate between absorption & adsorption? Write a short note venturi scrubber	4
4A	Explain any six functions of central pollution control board.	3
4B	Discuss in brief about the following: (i) Emergency support function (ii) Environment protection act	4
4C	Explain the general environmental legislations that have come into effect	3
5A	Sketch the disaster management cycle.	3
5B	Water shortages often disproportionately affect women. Justify the statement with the help of a case study	4
5C	How is mobile technology helping conserve biodiversity? Please explain with the help of a case study	3