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# Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



## I SEMESTER B.TECH DEGREE END SEMESTER EXAMINATION

SUBJECT: ENVIRONMENTAL STUDIES [CIE-1002]

Date: 07/12/2015

Time: 3 Hours

MAX. MARKS: 50

Note : Answer all questions with a neat diagram wherever essential

- 1A. Write short note on i. Ecological Succession ii. Geothermal Energy [3+3+4]
- 1B. Explain the model of electrostatic precipitators with a neat sketch
- 1C. Briefly explain the role of GIS and GPS -techniques in Disaster mitigation
- 2A. Explain the merits and demerits of Interlinking of Rivers
- 2B. What is the main purpose of EIA study? What are the objectives of environmental acts? [2+4+4]
- 2C. List any eight indicators of "environmental stress?"
- 3A. How do you conserve aquatic ecosystems? Explain with an example
- 3B. Explain in brief on "Energy efficient buildings" will 1 examples [3+3+4]
- 3C. Explain any four Ex-Situ Conservation strategies of biodiversity
- 4A. What are the causes of ozone layer depletion? Support with appropriate chemical equations
- 4B. Write a brief note on MSW 2000 rule and explain the process involved in Landfilling [4+3+3]
- 4C. Explain the different components of Nitrogen Cycle through a neat diagram
- 5A. Discuss on any three Biogeographical zone of India
- 5B. Explain the Global Dimming Process in nature [3+3+4]
- 5C. How do you differentiate between oceanic and continental crust

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