

# Question Paper

Exam Date & Time: 09-Mar-2021 (02:00 PM - 05:00 PM)



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

**FIRST SEMESTER B.TECH END SEMESTER EXAMINATIONS, MARCH 2021**  
**ENVIRONMENTAL STUDIES [CIE 1052 - 2020 -CHM]**

**Marks: 50**

**Duration: 180 mins.**

**A**

**Answer all the questions.**

Instructions to Candidates: Answer ALL questions Missing data may be suitably assumed

- 1) What is the significance of understanding the Ozone Layer Depletion issue? How do you infer on the NASA report in this context? (4)
  - A)
  - B) Why is NGT Act, 2010 formed? State the principles on which the decisions are taken and write any two acts/laws that NGT deals with. (4)
  - C) What is permafrost? What information is extracted from the ice-core drilling? (2)
- 2) Explain the significance of sensibly handling the Watershed, for preventing a drought and/or a flood in the context of water resource management. (4)
  - A)
  - B) What is ecological pyramid? Explain the different types of ecological pyramid. (4)
  - C) Define Anthropogenic. 21st century is witnessed as a century of spectacular catastrophes. Justify. (2)
- 3) With the help of a flow chart explain the various methods adopted to conserve biodiversity. (4)
  - A)
  - B) Discuss the steps involved in the Environmental Impact Assessment. (4)
  - C) Natural systems (agriculture and forest ecosystem) provide society with many goods and services. Justify. (2)
- 4) With the help of a neat sketch, explain the various phases that constitute Comprehensive Disaster Management. (4)
  - A)
  - B) Brief on Thermal pollution. List causes and interpret the possible dangers imposed on mankind. (4)
  - C) Write a note on the Coastal Regulation Zone Notification - 1991 (2)
- 5) Discuss the importance of wetland conservation in India with a case study. (4)
  - A) Cite the main reasons behind mismanagement and its consequences. (4)
  - B) Explain the challenges faced by power sector in India and suggest the

solutions to revive the same.

C)

With a case study explain any Man-made disasters in the past.

(2)

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