

# Question Paper

Exam Date & Time: 05-Jul-2023 (09:30 AM - 12:30 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

**SECOND SEMESTER B.TECH. DEGREE EXAMINATIONS - JUNE/JULY 2023**  
**SUBJECT: CIE 1072-CHM/CIE 1052-B/CIE 1072-B - ENVIRONMENTAL STUDIES**  
**(MAKEUP)**

**Marks: 50**

**Duration: 180 mins.**

**Answer ALL the questions & missing data may be suitably assumed.**

- 1A) Explain with help of graphical representations the CO<sub>2</sub> concentrations, variations, and impacts on the global warming issues. (5)
- 1B) Describe with the help of a case study, the illegal mining issues at Ballari and its environmental impact. (5)
- 2A) Explain Exsitu conservation strategies and how biotechnological methods are used in Exsitu conservation strategies. Cite with an example. (5)
- 2B) Discuss the preventive measures to control radioactive pollution. (5)
- 3A) Discuss about the nuclear pollution specific to manmade sources. (5)
- 3B) Explain with a case study how land restorative initiatives could lead to overall development of the society. (5)
- 4A) Discuss the principles of eco-restoration. (5)
- 4B) Discuss the causes and effects of droughts and floods in the Indian context. (5)
- 5A) List down the nodal agencies for forecasting and providing early warning and response. (5)
- 5B) Discuss the role of urbanization in causing floods and water shortages in Chennai. (5)

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