

# 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.

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|-----|---|-----|
| 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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