



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

**II SEMESTER B. TECH (CIVIL ENGINEERING)**  
**END SEMESTER EXAMINATION, MAY 2023**  
**ENVIRONMENTAL STUDIES (CIE 1072)**  
**(23 – 05 - 2023)**

**TIME: 3 HRS.**

**MAX. MARKS: 50**

**Note: 1. Answer all questions.**

<b>Q. NO</b>	<b>QUESTION</b>	<b>MARKS</b>	<b>CO</b>	<b>BL</b>
<b>1A</b>	How scientists have been able to reconstruct earth's CO <sub>2</sub> and average Antarctic temperature history?	5	1	2
<b>1B</b>	Why Ballari was like a republic unto itself?	5	1	2
<b>2A</b>	Explain any five key factors controlling soil formation.	5	2	2
<b>2B</b>	Discuss with suitable examples on how international agreements have played a key role in mitigating environmental issues.	5	3	1
<b>3A</b>	Explain with two examples how plastic waste can be used in road construction	5	3	2
<b>3B</b>	List down any five legal acts related to air pollution.	5	4	1
<b>4A</b>	Discuss the laws governing sustainable use of our water resources.	5	4	2
<b>4B</b>	Discuss the use of technology in disaster preparedness	5	5	2
<b>5A</b>	Discuss the role of any one nodal agency in disaster management with brief explanation of their forecasting system.	5	5	2
<b>5B</b>	Explain the structure of functioning of Disaster management authority in India	5	5	2