|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | **Reg. No.:** | |  | | | |
| **Name :** | |  | | | |
|  | | | | | | | | | | |
| **Mid-Term Examinations – April 2023** | | | | | | | | | | |
| Programme | | | : | **B.Tech.** | | Semester | | : | **Summer Semester 2022-2023** | |
| Course | | | : | **Environmental Sustainability / CHY1006** | | Slot/ Class No. | | : | **D21+D22+D23** | |
| Time | | | : | **1 ½ hours** | | Max. Marks | | : | **50** | |
| **Answer all the Questions** | | | | | | | | | | |
| **Q.No.** | **Sub. Sec.** | **Question Description** | | | | | | | | **Marks** |
| 1 |  | The global temperature is in rise which leads to a series of environmental concerns. In this context in detail explain five environmental problems that directly linked to global temperature rise. | | | | | | | | **10** |
| 2 |  | Explain the concept of consumerism and the impact of consumerism on environment. Strengthen your answer with examples. | | | | | | | | **10** |
| 3 |  | Nutrient cycles are a key factor in a sustainable ecosystem. Carbon cycle is an important nutrient cycle to maintain the energy flow in an ecosystem. Explain different process in a carbon cycle with a neat diagram. Write-down some of the human assisted activities that will disrupt carbon cycle. | | | | | | | | **10** |
| 4 |  | Biodiversity preservation is essential for the survival of the world. Describe the importance of biodiversity and some of the major threats to biodiversity. | | | | | | | | **10** |
| 5 |  | Explain the concept of water footprint and virtual water. How different water footprints represent the conservation of water resource. | | | | | | | | **10** |
| ⇔⇔⇔ | | | | | | | | | | |