**Code No.MC101CE**

**METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY (An Autonomous Institution)**

**B.E. (CSE/AI&DS) I-Semester (Supplementary) Examination, September-2023**

**Subject: ENVIRONMENTAL SCIENCE**

**Time: 3 hours Max.Marks:60**

**Note: Missing data, if any, maybe suitably assumed.**

**PART-A**

**Answer all the questions.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q.No.** | **Questions** | **Marks** | **CO** | **BTL** |
| **1 a** | What is the importance of Environmental science. | **2** | **1** | **L1** |
| **b** | List the effects of deforestation on environment. | **2** | **1** | **L1** |
| **c** | Discuss the energy flow in an ecosystem | **2** | **2** | **L5** |
| **d** | Discuss the Forest ecosystem depicting the various zones | **2** | **2** | **L5** |
| **e** | List any two biogeographical zones in India. | **2** | **3** | **L1** |
| **f** | List the various methods of disposing solid waste | **2** | **4** | **L1** |
| **g** | Demonstrate Food chain with an example | **2** | **2** | **L2** |
| **h** | List the salient features of air act | **2** | **4** | **L1** |
| **i** | Define global warming | **2** | **4** | **L1** |
| **j** | What is disaster. | **2** | **5** | **L1** |

**PART-B**

**Answer Any Five questions**.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.No.** |  | **Questions** | **Marks** | **CO** | **BTL** |
| **2** | **a** | Discuss the various effects of modern agriculture | **8** | **1** | **L5** |
| **b** | Discuss comparison of soil erosion and desertification |  |  |  |
| **3** | **a** | Discuss the functions of ecosystem | **8** | **2** | **L5** |
| **b** | Discuss about Aquatic ecosystem |  |  |  |
| **4** | **a** | Discuss threats to biodiversity. (5) | **8** | **3** | **L5** |
| **b** | Describe the conservation of biodiversity |  |  |  |
| **5** | **a** | Discuss the causes of water pollution. (5) | **8** | **4** | **L5** |
| **b** | Discuss effects and control measures of water pollution. |  |  |  |
| **6** | **a** | Explain the causes of Ozone layer depletion. (5) | **8** | **5** | **L2** |
| **b** | Explain the effects and control measures initiated for controlling Ozone layer depletion |  |  |  |
| **7** | **a** | What are man induced landslides? Describe with the help of an example. (5) | **8** | **1** | **L1** |
| **b** | What are producers, consumers and decomposers in an ecosystem? |  |  |  |
| **8** | **a** | Explain about Acid rains (5) | **8** | **5** | **L2** |
| **b** | List the types of disasters with examples |  |  |  |
| **9** | **a** | Relate soil erosion impact desertification and fertility. | **8** | **2** | **L1** |
| **b** | Explain the importance of Producers in ecosystem. |  |  |  |

**\*\*\*\*\*\***