**Code No.MC201CE**

**METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY**

**(An Autonomous Institution)**

**B.E. (CE/ECE/EEE/MECH) II-Semester (Regular) 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.(10X2M=20M)**

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| --- | --- | --- | --- | --- |
| **Q.No.** | **Questions** | **Marks** | **CO** | **BTL** |
| **1. a** | Explain resource conservation and Sustainable development. | **2** | **1** | **2** |
| **b** | What is Bio-Magnification? | **2** | **1** | **1** |
| **c** | Illustrate the general types of food chain in an ecosystem. | **2** | **2** | **2** |
| **d** | Explain the role of Decomposers in an ecosystem. | **2** | **2** | **2** |
| **e** | What is meant by Endangered and Endemic species? | **2** | **3** | **1** |
| **f** | List out the Bio-geographical Classification of India. | **2** | **3** | **1** |
| **g** | List the characteristics of hazardous wastes. | **2** | **4** | **1** |
| **h** | What is thermal pollution? | **2** | **4** | **1** |
| **i**  **j** | Explain the green house effect?  What are the types of Disasters? | **2**  **2** | **5**  **5** | **2**  **1** |
|  |  |  |  |  |

**P.T.O**

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**PART-B**

**Answer Any Five questions**.**(5X8M=40M)**

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| **Q.No.** |  | **Questions** | **Marks** | **CO** | **BTL** |
| **2.** | **a** | Explain the need for public awareness about environment. | **4** | **1** | **2** |
| **b** | What is deforestation? Explain its causes and effects. | **4** | **1** | **1** |
| **3.** | **a** | Explain in detail about Producers and Consumers | **4** | **2** | **2** |
| **b** | Briefly explain ecological pyramids and Food web | **4** | **2** | **2** |
| **4.** | **a** | Explain the possible threats to the biodiversity. | **4** | **3** | **2** |
| **b** | How you would plan to control loss of Biodiversity? | 4 | **3** | **1** |
| **5.** | **a** | List the salient features of Environmental Protection Act,1986. | **4** | **4** | **1** |
| **b** | Explain Solid waste management and mitigation. | **4** | **4** | **2** |
| **6.** | **a** | What is ozone hole? What are the causes of ozone hole formation. | **4** | **5** | **1** |
| **b** | Discuss the effects of Ozone layer depletion and its remedial measures. | **4** | **5** | **6** |
| **7.** | **a** | Illustrate in briefly about the scope of environmental studies. | **4** | **1** | **2** |
| **b** | Explain in detailed about Concept, function and structure of an ecosystem. | **4** | **2** | **2** |
| **8.** | **a** | Explain the Values of Biodiversity. | **4** | **3** | **2** |
| **b** | What is meant by Eutrophication? | **4** | **4** | **1** |
| **9.** | **a** | Discuss in detail about benefits of Dam construction. | **4** | **1** | **6** |
| **b** | Explain about Environmental Ethics and state its significance in promoting Environmental awareness. | **4** | **5** | **2** |

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