**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**

**II B.Tech– II Sem (MR 18-2019-20 Admitted Students)**

**I Mid Examination Subjective Question Bank**

**Subject: Environmental Science Branch /Specialization: CSE/ECE/EEE/IT**

**Instructions:**

**1. All the questions carry equal marks**

**2. Answer all the questions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Q.No.** | **Question** | **Bloom’s Taxonomy Level** | **CO** |
| 1. | Outline the structure of Ecosystem? | Understanding | 1 |
| **OR** | | | |
| 2. | Explain Flow of energy through various trophic levels in an ecosystem is unidirectional and noncyclical. | Understanding | 1 |
|  | | | |
| 3. | Compare Detritus food chain with grazing food chain. | Analyzing | 1 |
| **OR** | | | |
| 4. | Classify different types of ecosystems. | Analyzing | 1 |
|  | | | |
| 5. | Explain the scope and importance of ecosystem. | Understanding | 1 |
| **OR** | | | |
| 6. | Outline the functional features of aquatic ecosystem. | Understanding | 1 |
|  | | | |
| 7. | Construct a food web in any one ecosystem. | Applying | 1 |
| **OR** | | | |
| 8. | Develop two ecological pyramids basing on number of species and amount of biomass produced. | Applying | 1 |
| **Module II** | | | |
| 1. | Illustrate in- situ and ex-situ conservation of biodiversity? | Understanding | 2 |
| **OR** | | | |
| 2. | Classify different types of energy resources with examples? | Understanding | 2 |
|  | | | |
| 3. | Construct the flow chart on impacts of mining activities**?** | Applying | 2 |
| **OR** | | | |
| 4. | Identify the values of biodiversity. | Applying | 2 |
|  | | | |
| 5. | Summarize with the help of case study how big dams have affected forests and the tribal. | Understanding | 2 |
| **OR** | | | |
| 6. | Outline the major threats to biodiversity. | Understanding | 2 |
|  | | | |
| 7. | Discuss aquifers and its types? | Creating | 2 |
| **OR** | | | |
| 8. | Discuss briefly about droughts and floods with respect to their occurrence and impacts. | Creating | 2 |
| **Module III** | | | |
| 1. | Summarize all possible methods to Control Air Pollution in the Environment**?** | Understanding | 3 |
| **OR** | | | |
| 2. | Explain the adverse effects and control of water pollution. | Understanding | 3 |
|  | | | |
| 3 | Identify the control methods of automobile and industrial pollution. | Applying | 3 |
| **OR** | | | |
| 4 | Identify the sources of primary and secondary pollutants. | Applying | 3 |

**Signature of the Faculty Signature of the HOD**