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|  | | **ITER, SIKSHA ‘O’ ANUSANDHAN (Deemed to be University)** | | | | | | **Assignment** | |
| Branch | | **All Branches of Engineering** | | | Programme | | | **B.Tech** | |
| Course Name | | **Environmental Studies** | | | Semester | | | **7th** | |
| Course Code | | **CHM 4601** | | | Academic Year | | | **2023-24** | |
| **Assignment- 1** | | | | **Topic:** | | | | | |
| Learning Level (LL) | | **L1**: Remembering | **L3:** Applying | | | **L5**: Evaluating | | | |
| **L2**: Understanding | **L4**: Analysing | | | **L6**: Creating | | | |
| Q’s | Questions | | | | | | COs | | LL |
| **1** | Write the scope and importance of Environmental Study | | | | | | **CO1** | | **L1** |
| **2** | What are the major causes of food problems in underdeveloped and developing country, and discuss the adverse effects of using chemical fertilizers and pesticides in agriculture field? | | | | | | **CO1** | | **L1** |
| **3** | What measures can be taken to prevent soil pollution. | | | | | | **CO1** | | **L1** |
| **4** | Discuss the major threat to forest resources and its consequences | | | | | | **CO1** | | **L1** |
| **5** | What are the types of renewable energy sources and briefly discuss the working principle of solar and tidal energy. | | | | | | **CO1** | | **L2** |
| **6** | Write the role of individual in conservation of energy and water resources. | | | | | | **CO1** | | **L1** |
| **7** | What is hot spot biodiversity? Discuss the two biodiversity hotspots in India. | | | | | | **CO1** | | **L1** |
| **8** | Justify India is a mega biodiversity nation in the world | | | | | | **CO1** | | **L1** |
| **9** | Differentiate the food chain and food web. Write the types of food chain with example. | | | | | | **CO1** | | **L2** |
| **10** | What is ecological succession, Discuss the principle of ecological succession | | | | | | **CO1** | | **L2** |

**Note:**

1. Assignment carries a weightage of --- **marks out of 100**
2. All the course outcomes were covered.

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| Course Outcomes | CO1 | Ability to understand the Environment, its importance, interdisciplinary approach, atmospheric cycles, environmental resources, biodiversity, its values and conservation strategies |
| CO2 | Analyze different types of pollutants (air and water ), their measurement, standard and applies engineering science principles to design of air pollution control devices and water pollution control strategies. |
| CO3 | Apply the knowledge on MSW Management, Hazardous waste management, analyse and evaluate impact of noise pollution and basic remediation strategies. |
| CO4 | Ability to analyse different contemporary issues related to environment, such as global warming, ozone depletion acid rain their mitigation measures. Rainwater harvesting and watershed management. |
| CO5 | To understand environmental legislations and their application for sustainable development. Analyse and interpret EIA methodology for project, planning, approval and proper implementation based on health risk. |
| CO6 | Ability to recognize and comprehend various causes, preventative measures, and disaster management strategies for natural disasters such as floods, cyclones, earthquakes, and so on. |