

**BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**LESSON PLAN**

|                          |                                                                                                        |                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Discipline:</b><br>IT | <b>Semester:</b> 3rd                                                                                   | <b>Name of the Teaching Faculty:</b><br>BHABODEEPIKA MOHANTY                                                             |
| <b>Subject:</b><br>EVS   | No. Of Days/per week<br>class allotted: 4 periods per week<br>(Tues, Wed, Fri & Sat-<br>1 period each) | <b>From Date:</b> 01-08-2023 <b>To:</b> 30-11-2023<br><br><b>No. Of Weeks:</b> 18 weeks                                  |
| <b>WEEK</b>              | <b>CLASS DAY</b>                                                                                       | <b>THEORY/PRACTICAL TOPICS</b>                                                                                           |
| 1st                      | 01-08-2023                                                                                             | <b>1. The Multidisciplinary nature of environmental studies:</b>                                                         |
|                          | 02-08-2023                                                                                             | 1.1 Definition, scope and importance.                                                                                    |
|                          | 04-08-2023                                                                                             | 1.2 Need for public awareness.                                                                                           |
|                          | 05-08-2023                                                                                             | <b>2. Natural Resources:</b><br>a) Natural resources and associated problems.                                            |
| 2nd                      | 08-08-2023                                                                                             | 2.1.1. Forest resources                                                                                                  |
|                          | 09-08-2023                                                                                             | 2.1.2. Water resources                                                                                                   |
|                          | 11-08-2023                                                                                             | 2.1.3. Mineral Resources                                                                                                 |
|                          | 12-08-2023                                                                                             | 2.1.4. Food Resources                                                                                                    |
| 3 <sup>rd</sup>          | 16-08-2023                                                                                             | 2.1.5. Energy Resources                                                                                                  |
|                          | 18-08-2023                                                                                             | 2.1.6. Land Resources                                                                                                    |
|                          | 19-08-2023                                                                                             | b) Role of individual in conservation of natural resources.<br>c) Equitable use of resources for sustainable lifestyles. |
| 4 <sup>th</sup>          | 22-08-2023                                                                                             | <b>Revision cum Assignment-1</b>                                                                                         |
|                          | 23-08-2023                                                                                             | <b>3. Systems:</b><br>3.1. Concept of an eco-system                                                                      |
|                          | 25-08-2023                                                                                             | 3.2. Structure and function of an eco-system                                                                             |
|                          | 26-08-2023                                                                                             | <b>Class Test 1</b><br>3.3. Producers, consumers, decomposers.                                                           |
| 5 <sup>th</sup>          | 29-08-2023                                                                                             | 3.4. Energy flow in the ecosystems                                                                                       |
|                          | 01-09-2023                                                                                             | 3.5. Ecological succession.                                                                                              |
|                          | 02-09-2023                                                                                             | 3.6. Food chains, food webs and ecological pyramids.                                                                     |
| 6th                      | 05-09-2023                                                                                             | 3.7. Introduction, types, characteristic features, structure and function of eco system                                  |
|                          | 08-09-2023                                                                                             | 3.8. Forest ecosystem.                                                                                                   |
|                          | 09-09-2023                                                                                             | 3.9. Aquatic ecosystems                                                                                                  |

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| 7th  | 12-09-2023 | 3.9. Aquatic ecosystems                                                                                                      |
|      | 13-09-2023 | <b>4. Biodiversity and its Conservation:</b><br>4.1. Introduction-<br>Definition: genetics, species and ecosystem diversity. |
|      | 15-09-2023 | 4.2. Biogeographical classification of India                                                                                 |
|      | 16-09-2023 | 4.3. Value of biodiversity: consumptive use, productive use                                                                  |
| 8th  | 22-09-2023 | Social, ethical, aesthetic and option values.<br><b>Assignment-2</b>                                                         |
|      | 23-09-2023 | <b>Class Test 2</b>                                                                                                          |
| 9th  | 26-09-2023 | 4.4. Biodiversity at global, national and local level                                                                        |
|      | 27-09-2023 | 4.5. Threats to biodiversity, Habitats<br>loss, poaching of wildlife, man-wildlife conflict<br>s                             |
|      | 30-09-2023 | <b>5. Environmental Pollution:</b><br>5.1. Definition Causes, effects and control measures of Air<br>pollution               |
| 10th | 03-10-2023 | Definition Causes, effects and control measures of<br>Water pollution & Soil pollution                                       |
|      | 04-10-2023 | Definition Causes, effects and control measures of<br>Noise pollution & Marine pollution                                     |
|      | 06-10-2023 | Definition Causes, effects and control measures of<br>Thermal pollution                                                      |
|      | 07-10-2023 | Definition Causes, effects and control measures of<br>Nuclear hazards.                                                       |
| 11th | 10-10-2023 | <b>Internal Test</b>                                                                                                         |
|      | 11-10-2023 | <b>Internal Test</b>                                                                                                         |
|      | 13-10-2023 | 5.2. Solid waste Management:                                                                                                 |
|      | 14-10-2023 | 5.3. Role of an individual in prevention of pollution                                                                        |
| 12th | 17-10-2023 | 5.4. Disaster management                                                                                                     |
|      | 18-10-2023 | 5.4. Disaster management                                                                                                     |
|      | 20-10-2023 | <b>6. Social issues and the Environment:</b><br>6.1. Form unsustainable to sustainable development.                          |
| 13th | 31-10-2023 | 6.2. Urban problems related to energy.                                                                                       |
|      | 01-11-2023 | 6.3. Water conservation, rainwater harvesting, water Shed<br>management.                                                     |
|      | 03-11-2023 | 6.4. Resettlement and rehabilitation of people; its<br>Problems and concern                                                  |
|      | 04-11-2023 | 6.5. Environmental ethics: issue and possible solutions.                                                                     |

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| 14th | 07-11-2023 | 6.6.Climate change, global warming, acid rain                                                                               |
|      | 08-11-2023 | Ozone layer depletion, nuclear accidents and Holocaust, case studies                                                        |
|      | 10-11-2023 | 6.7.Air (prevention and control of pollution) Act                                                                           |
|      | 11-11-2023 | 6.8.Water (prevention and control of pollution) Act.                                                                        |
|      |            |                                                                                                                             |
| 15th | 14-11-2023 | 6.9.Public awareness.<br><b>Revision cum Assignment-3</b>                                                                   |
|      | 15-11-2023 | <b>7. Human population and the environment:</b><br>7.1.Population growth and variation among nations<br><b>Class Test 3</b> |
|      | 17-11-2023 | 7.2.Population explosion-family welfare program.                                                                            |
|      | 18-11-2023 | 7.3.Environment and human health.                                                                                           |
|      |            |                                                                                                                             |
| 16th | 21-11-2023 | 7.4.Human rights.                                                                                                           |
|      | 22-11-2023 | 7.5.Value education                                                                                                         |
|      | 24-11-2023 | 7.6.Role of information technology in environment<br>And human health.                                                      |
|      | 25-11-2023 | Doubt Clearing Class                                                                                                        |
|      |            |                                                                                                                             |
| 17th | 28-11-2023 | REVISION AND PREVIOUS YEAR QUESTION<br>DISCUSSION                                                                           |
|      | 29-11-2023 | REVISION AND PREVIOUS YEAR QUESTION<br>DISCUSSION                                                                           |