**ACADEMIC LESSON PLAN (2023)**

**SUBJECT: ENVIRONMENTAL STUDIES**

**PAPER CODE : *BS-109/BS-110***

**Total lectures : 36**

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| **S.No.** | **Topics to be covered** | **L** |
|  | **UNIT– 1: Fundamentals** |  |
| **1** | ***The Multidisciplinary Nature of Environmental* *Studies***-Definition, scope and importance. Components, need for public awareness. | **1** |
| **2**  **3** | ***Natural Resources***  ***Ecosystems***  Concept, structure and function of an ecosystem, types, functional components  Different Ecosystems  Biogeochemical cycles | **3**  **1**  **2**  **1** |
| **4** | ***Biodiversity and its Conservation***  Introduction to biodiversity, Bio-geographical classification, India as a mega-diversity nation | **1** |
|  | Endangered and endemic species of India, Threats to biodiversity and conservation of Biodiversity. Bio prospecting and biopiracy | **1** |
|  | **UNIT – II: Environmental Pollution** |  |
| **5** | Air pollution : Source, Types, Effects on biosphere and Meterology, air quality, Control | **2** |
| **6** | Water Pollution: types and sources | **1** |
| **7** | Soil Pollution : Types and Control | **1** |
| 8 | Noise Pollution : Effect, Control | **1** |
| **9** | Thermal Pollution | **1** |
| **10** | Radiation Pollution | **1** |
| **11** | Solid Waste Management | **1** |
| **12** | Pollution Prevention | **1** |
| **13** | Disaster Management | **1** |
|  | **UNIT III: Social Issues and Environment** |  |
| **14** | Concept of Sustainable Development, Urban problems related to Energy | **1** |
| **15** | Water conservation, Wasteland Reclamation | **1** |
| **16** | Resettlement and Rehabilitation, climate change | **1** |
| **17** | Nuclear Accidents | **1** |
| **18** | Consumerism and waste products | **1** |
| **19** | Laws related to Environment, Pollution, forest and wildlife | **1** |
| **20** | Environmental Impact Assessment | **1** |
|  | **UNIT IV: Human Population and the Environment** |  |
| **21** | Population growth | **1** |
| **22** | Human Rights | **1** |
| **23** | Family Welfare Programmes | **1** |
| **24** | Environment and human health | **1** |
| **25** | HIV/AIDS | **2** |
| **26** | Women and child welfare | **1** |
| **27** | Rôle of IT | **1** |