

| Week | Theory | | Date | HOD | Director Principal |
|------------------|----------------|---|------|-----|-----------------------|
| | Lecture Day | Topic (Including assignment / Test) | | | |
| 1 st | 1 | Multidisciplinary nature of Environmental studies: Definition, scope and importance | | | |
| | 2 | Need for public awareness; Concept ,Structure and function of an ecosystem | | | |
| | 3 | Energy flow in the ecosystem, Ecological succession, Food chains, Food websand ecological pyramids | | | |
| 2 nd | 4 | Introduction, types, characteristics features, structure and function of Forest ecosystem, Grassland ecosystem, Desert ecosystem,Aquatic ecosystem(Ponds Stream lakes, rivers, oceans, estuaries) | | | |
| | 5 | Biodiversity: Introduction, Definition: genetic, species and ecosystem diversity, biogeographically classification of India | | | |
| | 6 | Value of biodiversity: consumptive use, productive use sociaethical, aesthetic and option values, Biodiversity at global, national and local, India as a mega diversity nation, hot spot ofbiodiversity | | | |
| 3 rd | 7 | Threats to biodiversity: habitat loss, poaching of wild life, man-wild life conflicts, | | | |
| | 8 | Endangered and endemic species of India, Conservation of biodiversity :In-situ and Ex-situ conservation of biodiversity | | | |
| | 9 | Renewable and non-renewable resources, Natural resources and associatedproblems, | | | |
| 4 th | 10 | Forest resources: Use and over-exploitation, deforestation, case studies | | | |
| | 11 | Timber extraction, mining, dams and their effects on forests and tribal people; | | | |
| | 12 | Water resources: Use and over utilization of surface and ground water,floods, drought conflicts over water, dams benefits and problems; | | | |
| 5 th | 13 | Mineral resources :Use and exploitation, environmental effects of extracting and mineral resources; | | | |
| | 14 | Food resources :World food problem, changes caused byagriculture and overgrazing, effects of modern agriculture, fertilizer pesticide problems, water logging, salinity; | | | |
| | 15 | Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies; | | | |
| 6 th | 16 | Land resources :Land resource, land degradation, main inducedlandslides, soil erosion and desertification, | | | |
| | 17 | Role of an individual in conservation of natural resources, | | | |
| | 18 | Equitable use of resources for suitable life style. | | | |
| 7 th | | Minor test-1 | | | |
| 8 th | 19 | Definition of Environment Pollution; Causes, effects and control measures of :Air Pollution, | | | |
| | 20 | Water Pollution, Soil pollution, Marine pollution, | | | |
| | 21 | Noise pollution, Thermal pollution, Nuclear hazards ;Solid waste Management: Causes effects and control measures of urban and industrial wastes; | | | |
| 9 th | 22 | Role of an individual in prevention of pollution, | | | |
| | 23 | Pollution case studies; Disaster management: floods, earthquake, cyclone andlandslides | | | |
| | 24 | Climate change, global warming, acid rain, ozone layer depletion,nuclear accidents and holocaust, | | | |
| 10 th | 25 | Case studies; different laws related to environment: Environment Protection Act, Air (Prevention and Control of Pollution)Act, | | | |
| | 26 | Water (Prevention and Control of Pollution) Act, Wildlife Protection Act, | | | |
| | 27 | Forest Conservation Act.; Issues involved in enforcement of environmental legislation ,Public awarene | | | |
| 11 th | 28 | Social issues and the Environment: From unsustainable to Sustainabledevelopment, | | | |
| | 29 | Urban problems related to energy; Water conservation, rainwater harvesting, | | | |
| | 30 | Watershed management; Resettlement and rehabilitation of people ;its problem and concern case studies | | | |
| 12 th | 31 | Environment ethics: Issues and possible solutions; | | | |
| | 32 | Wasteland reclamation; Consumer is man waste products; | | | |
| | 33 | Human Population growth, variation among nation, | | | |
| 13 th | 34 | Population explosion-Family Welfare Programmer, | | | |
| | 35 | Environment and human health, Human Rights, Value Education ,HIV/AIDS, | | | |
| | 36 | Women and Child Welfare, | | | |
| 14 th | | Minor Test-2 | | | |
| 15 th | 37 | Role of Information Technology in Environment and human health, CaseStudies | | | |

