

LESSON PLAN FOR ENVIRONMENTAL STUDIES (TH 5) FOR 3RD SEM, CIVIL ENGG, WINTER -2022

W.E.F.15.09.2022

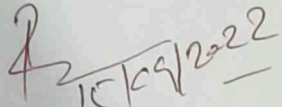
Faculty Name- Dhiraj Kumar Bisen

WEEK NO.	DATE	TOPIC	PERIODS ASSIGNED PER TOPIC	PERIODS AVAILABLE PER WEEK
Week-1	15.09.22 TO 19.09.22	THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES- Definition, scope and Importance , Need for Public awareness.	4	4
Week-2	20.09.22 TO 23.09.22	NATURAL RESOURCES Natural Resources and associated problem , Forest resources- Use and Over-exploitation, Deforestation , Case Studies, Timber Extraction mining, Dams and their Effects on forest and tribal people. Water Resources- Use and Over utilization of Surface and ground water, Mineral Resources- Use and Exploitation, Environmental effect of extracting and using mineral resources.	10	4+1(Extra class)
Week-3	26.09.22 TO 29.09.22	Food Resources- World food problem, Changes caused by agriculture, and over grazing, effect of modern agriculture ,fertilizers – pesticides problem , water logging salinity. Energy Resources- Growing energy need, Renewable and non-renewable energy sources, case studies. Land Resources- Land as a resources , Land degradation, man induces land slide, soil erosion and desertification. Role of Individual in Conservation of Natural resources ,Equitable use of resources for sustainable life styles.		4+1(Extra class)
Week-4	10.10.22 TO 13.10.22	SYSTEMS- Concept of an Eco system, Structure and Function of an Ecosystem , Producer and Consumers, Decomposers, Energy Flow in the Eco systems, Ecological Succession.		8
Week-5	17.10.22 TO 20.10.22	SYSTEMS- Food chains, Food webs Ecological Pyramids, Introduction ,types, Characteristic Feature , Structure and Function of the Following eco system, Forest ecosystem , Aquatic ecosystems (Ponds, Stream, Lakes, rivers, oceans, estuaries.)	4	

Week-6	21.10.22 TO 27.10.22	BIODEVERSIY AND ITS CONSERVATION- Introduction ,Genetics ,Species and ecosystem Diversity , Biogeographically Classification of India , Value of biodiversity- Consumptive use, Productive use , Social ethical ,aesthetic and opting value.	8	4
Week-7	1.11.22 TO 4.11.22	Biodiversity at global, National and Local Level , Threats to biodiversity – Habitats loss , Poaching of wild life , man wildlife conflicts.		4
Week-8	07.11.22 TO 11.11.22	ENVIRONMENTAL POLLUTION- Definition Causes, Effect and Control measures, Air Pollution Water Pollution, Soil Pollution.	12	4
Week-9	14.11.22 TO 18.11.22	Noise Pollution, Thermal Pollution , Nuclear hazards , Solid waste Management and its causes.		4
Week-10	21.11.2 2 TO 24.11.2 2	Effect and Control measure of urban and Industrial Wastes. Role of Individual in Prevention of Pollution. Disaster Management- Floods, earth quake, Cyclone and landslides.		4
Week-11	28.11.22 TO 01.12.22	Social Issues and the Environment – Form Unsustainable to Sustainable development, Urban Problem related to Energy, Water conservation , Rain water harvesting, water shed Management , Resettlement and rehabilitation of people, its problem and concern, Environmental ethics- Issue and Possible Solution.		10
Week-12	5.12.22 TO 8.12.22	Climate change, Global warming , acid rain, Ozone Layer Depletion, Nuclear accidents and holocaust, case studies. Air(Prevention and control of pollution) Acts, Water (Prevention and control of pollution)acts, Public awareness.		4+1(Extra class)

Week-13	12.12.22 TO 15.12.22	HUMAN POPULATION AND THE ENVIRONMENT- Population growth and variation among nations, Population explosion-family welfare program, Environment and human health.	8	4
Week-14	19.12.22 TO 22.12.22	Human rights, value education ,Role of information technology In environment and human health.		4
Week-15	02.01.23 TO 21.01.23	REVISION AND PREVIOUS YEAR QUESTION DISCUSSION -	-	-

Dillip K. Bisoi.
15-09-22
Signature of Concerned Faculty


15/09/2022
Signature of Principal