

Discipline:- Mechanical Engg.	Semester- 3rd	Name of the Teaching Faculty:- Er .Suresh kumar choudhary
Subject: Enviromental studies	No. Of days/week class allotted - 04	Semester from 15.09.2022 to 22.12.2022
		No. Of weeks:- 15
Week	No. Of Period	Theory Topics
15.09.2022 To 17.09.2022	1 st	Introduction pf environmental studies
	2 nd	Vishwakarma Puja
19.09.2022 To 24.09.2022	1 st	Definition, scope and importance of environmental studies
	2 nd	Need for public awareness.
	3 rd	Need Of environmental studies
	4 th	Define natural resources ,renewable and non renewable resources
26.09.2022 To 01.10.2022	1 st	Forest resources, Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects
	2 nd	Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems
	3 rd	Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.
	4 th	Food Resources: World food problems ,changes caused by agriculture
03.10.2022 To 08.10.2022	1 st	DURGA PUJA HOLIDAYS
	2 nd	
	3 rd	
	4 th	
10.10.2022 To 15.10.2022	1 st	overgrazing, effectsofmodernagriculture, fertilizerspesticidesproblems, water logging, salinity,
	2 nd	Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources,
	3 rd	Land Resources: Land as a resource ,land degradation ,man induces landslides, soil erosion, and desertification.
	4 th	Role of individual in conservation of natural resources.
17.10.2022 To 22.10.2022	1 st	Equitable use of resources for sustainable lifestyles.
	2 nd	Revision of the chapter
	3 rd	Concept of an ecosystem.
	4 th	Structure and function of an ecosystem.

Week	No. Of period	Theory Topics
24.10.2022 To 29.10.2022	1 st	Diwali
	2 nd	Producers, consumers, decomposers. Energy flow in the ecosystems.
	3 rd	Ecological succession. Food chains, food web sand ecological pyramids.
	4 th	Introduction, types, characteristic features, structure and function of Forest ecosystem:
31.10.2022 To 05.11.2022	1 st	Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).
	2 nd	Biodiversity Introduction-Definition: genetics, species and ecosystem diversity.
	3 rd	Biogeographically classification of India.
	4 th	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and opt in values
07.11.2022 To 12.11.2022	1 st	Last Monday Of Kartika
	2 nd	Biodiversity at global, national and local level.
	3 rd	Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.
	4 th	Definition Causes, effects and control measures of: Air pollution. Water pollution.
14.11.2022 To 19.11.2022	1 st	Soil pollution , Marine pollution
	2 nd	Prathama Ashtami
	3 rd	Noise pollution. ,Thermal pollution, Nuclear hazards.
	4 th	Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
21.11.2022 To 26.11.2022	1 st	Role of an individual in prevention of pollution.
	2 nd	Disaster management: Floods, earth quake, cyclone and landslides
	3 rd	Revision Of the chapter
	4 th	Urban problems related to energy.
28.11.2022 To 3.12.2022	1 st	Water conservation, rain water harvesting, water shed management.
	2 nd	Resettlement and rehabilitation of people; its problems and concern
	3 rd	Environmental ethics: issue and possible solutions.
	4 th	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies

Week	No.of period	Theory Topics
5.12.2022 To 10.12.2022	1 st	Air (prevention and control of pollution) Act.
	2 nd	Last Thursday of margasira
	3 rd	Water (prevention and control of pollution) Act. , Public awareness.
	4 th	Revision of the chapter
12.12.2022 To 17.12.2022	1 st	Population growth and variation among nations.
	2 nd	Population explosion-family welfare program.
	3 rd	Environment and human health.
	4 th	Human rights. Value education
19.12.2022 To 24.12.2022	1 st	Role of information technology in environment and human health.
	2 nd	Revision and previous year question discussion