

DISCIPLINE: CIVIL	SEMESTER: 3rd	NAME OF THE TEACHING FACULTY: TH-S En. SAROJ BISOYD
SUBJECT: Environmental Studies	NO OF DAYS/WEEK CLASS ALLOTTED: 4	SEMESTER FROM: 15.09.2022 TO 22.12.2022 NO. OF WEEKS: 15
WEEK	CLASS DAY	THEORY
15.09.2022 TO	1st 2nd	Introduction of environmental studies ← VISWAKARMA PUJA →
17.09.2022 19.09.2022 TO	1st	Defination, scope and importance of environmental studies.
24.09.2022	2nd 3rd 4th	Need for public awareness. Need of environmental studies. Define natural resources, renewable and non renewable resources.
26.09.2022 TO	1st	Forest resources, use and over-exploitation, deforestation, case studies, timber extraction mining, dams and their effects.
01.10.2022	2nd	Water resources: use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.
	3rd	Mineral Resources: use and exploitation, environmental effects of extracting and using mineral resources.
	4th	Food resources: world food problems, changes caused by agriculture.
03.10.2022 TO	1st 2nd	← DURGA PUJA HOLIDAYS →
08.10.2022	3rd 4th	
10.10.2022 TO	1st	Overgrazing, effects of modern agriculture, fertilizers pesticides problems, water logging, salinity.
15.10.2022	2nd	Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources.

WEEKS	CLASS DAY	THEORY
	3 rd	Land Resources: Land as resource, land degradation, man induces landslides, soil erosion, and desertification.
	4 th	Role of individual in conservation of natural resources.
17.10.2022	1 st	Equitable use of resources for sustainable lifestyles.
TO	2 nd	Revision of the chapter.
22.10.2022	3 rd	Concept of an ecosystem.
	4 th	Structure and function of an ecosystem.
	1 st	Structure and function of an ecosystem
24.10.2022	2 nd	Producers, consumers, decomposers, energy flow in the ecosystems.
TO		
29.10.2022	3 rd	Ecological succession, food chains, food web and ecological pyramids.
	4 th	Introduction, types, characteristic features, structure and function of forest ecosystem.
	1 st	Aquatic ecosystems (Ponds, streams, lakes, rivers, oceans, estuaries).
31.10.2022		
TO	2 nd	Biodiversity: introduction - definition: genetics, species and ecosystem diversity.
05.11.2022	3 rd	Biogeographically classification of India.
	4 th	Value of biodiversity: consumptive use, productive use, social ethical.
	1 st	Aesthetic and opt in values
07.11.2022	2 nd	Biodiversity at global, national and local level.
TO		
12.11.2022	3 rd	Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.
	4 th	Defination causes, effects and control measures of Air pollution, water pollution.

WEEKS	CLASS DAY	THEORY
14.11.2022	1 st	soil pollution, marine pollutions.
TO	2 nd	PRATHAMASTAM?
19.11.2022	3 rd	Noise pollution, Thermal pollution, Nuclear hazards.
	4 th	Solid waste management: causes, effects and control measures of urban and industrial wastes.
01.11.2022	1 st	Role of an individual in prevention of pollution.
TO	2 nd	Disaster management: floods, earth quake, cyclone and landslides.
26.11.2022	3 rd	Revision of the chapter.
	4 th	Urban problems related to energy.
	1 st	Water conservation, rain water harvesting, water shed management.
28.11.2022	2 nd	Resettlement and rehabilitation of people, its problems and concern.
TO	3 rd	environmental ethics: issue and possible solutions.
03.12.2022	4 th	climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and halocaust; case studies
	1 st	Air (Prevention and control of pollution) Act.
05.12.2022	2 nd	LAST THURSDAY OF MARGASIK
TO	3 rd	Water (Prevention and control of pollution) Act public Awareness.
10.12.2022	4 th	Revision of the chapter.
12.12.2022	1 st	population growth and variation among nations
TO	2 nd	population explosion - family welfare program

<u>WEEKS</u>	<u>CLASS DAY</u>	<u>THEORY</u>
	3 rd	Environment and Human health
	4 th	Human rights, value education
19.12.2022 to	1 st	Role of information technology in environment and human healths
24.12.2022	2 nd	Revision and previous year question discussion

Seen [Signature]
15.9.2022