

Description:- Mechanical Engg
 ES Subjod:- Environmental Studies
 Semester- 3rd
 No of days/week
 Name of teaching Faculty -
 Suresh. K. Choudhary
 Semeste FROM 05/10/21
 to - 08/11/21
 Class allotted:- 4

WEEK	No of Periods	TOPICS to be covered
1st Oct to 2nd Oct	1st	- Introduction of environmental studies.
04 Oct to 09 Oct	1st	- Gandhi Jayanti
	2nd	- Definition of environment studies & gives idea.
	3rd	- SCOPE & importance
	4th	- Need of environmental studies
11 Oct to 18 Oct	-	- Need for public awareness.
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18 Oct to 19 Oct	-	- Dwaga PUJA holidays
19 Oct to 23 Oct	1st	- Define Natural Resources Renewable & non renewable resources.
	2nd	- Forest Resources, water resources, use & over exploitation of surface & ground water, floods, drought
	3rd	- Conflicts over water, DAM Benefit & problems
	4th	- Mineral resources, use & exploitation environmental effects.

Week	No of Period	Topics to be covered
	1st	- Food Resources, world Food Problems & Agriculture
25th Nov to 30th Nov	2nd	- changes caused by over grazing
	3rd	- effects of modern Agriculture fertilizers & pesticides - pollution
	4th	water logging & salinity
	1st	- introduction of energy Resources
15th Nov to 6th Nov	2nd	growing energy need & renewable & non renewable energy Resources
	3rd	- use of alternate energy case studies & introduction of Land resource.
	4th	- Land as resource, land degradation, Man induces land slides, soil erosion, desertification.
	1st	- Role of individual in conservation of natural resources.
8th Nov to 13th Nov	2nd	- Equitable use of resources for life style
	3rd	- Concept of ecosystem
	4th	- Structure & Function of an ecosystem.

Week	No of Period	Topics to be covered
	1st	- Producers, Consumers, decomposers
15th Nov to 20th Nov	2nd	- Energy flow in ecosystem.
	3rd	- Ecological succession.
	4th	- food chains, food web & ecological pyramids.
22nd Nov to 27th Nov	1st	- Introduction types, characteristic features.
	2nd	- Structure & Function of banyan tree ecosystem.
	3rd	- Forest ecosystem
	4th	- Introduction of aquatic ecosystem.
	1st	- Details of Aquatic ecosystem
29th Nov to 04th Dec	2nd	- Introduction of Biodiversity
	3rd	- Definition, genetics, species & ecosystem diversity
	4th	- Biogeographically Classification of India.
	1st	- Value of biodiversity, consumptive use, productive use.
6th Dec to 11th Dec	2nd	- Social ethical, aesthetic & option values, Biodiversity at global, national & local level
	3rd	- Threats to biodiversity, habitats loss.
	4th	- Poaching of wild life, man wild life conflicts.
		- Air pollution
		- water pollution.

Week	No of point	topics to be covered
	1st	- Soil & marine pollution
16th Dec to 18th Dec	2nd	- Noise & thermal pollution
	3rd	- Nuclear hazards & solid waste management & case studies
	4th	- Solid waste management & case effects.
20th Dec to 25th Dec	1st	- introduction of control measures
	2nd	- effects & control measures of urban & industrial.
	3rd	- introduction of Role of pollution prevention of an individual
	4th	- "chlois + mass"
27th Dec to 1st Jan	1st	- introduction of human population.
	2nd	- Population growth & variation among nations.
	3rd	- Population explosion
	4th	- "New Year"
	1st	- Human rights & value education
3rd Jan to 8th Jan	2nd	- introduction of information technology
	3rd	- Role of information technology in environment
	4th	- role of information technology to human health.

~~Notified in hand 01/10/2021~~

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