

GOVERNMENT POLYTECHNIC, KORAPUT DEPARTMENT OF MECHANICAL ENGINEERING

Semester:	Name of the Teaching Faculty: DIPTI LANM 1 BHY ANT
week	Semester From date: 01/9/20 To Date: 19/3/21
class allotted:0	No. of Weeks:15
	No. of days/per week class allotted:0

COURSE **OUTCOMES**

- After completion of study of environmental studies, the student will be able to:

 1. Acquire knowledge about our natural environment, its importance in our life & its benefits.
 - Gather adequate knowledge of different pollutants, their sources and shall be aware of solid waste management systems and hazardous waste and their effects.
 - 3. Develop awareness in society & towards preservation of environment.

Week	Class Day	Theory
1 ST	1 ST	-A general discussion with students about their basic knowledge on the topic EnvironmentDefinition & The Multidisciplinary nature of environmental studies.
	2 ND	-Scope and importance of EVS.
	3 RD	-Need for public awareness.
	4 [™]	-Overall discussion and note preparation.
2 ND	1 ST	-Natural Resources, types of natural resourcesRenewable and nonrenewable resources with examplesIntroduction of forest resources.
	2 ND	 Use and over-exploitation of forest resources. Deforestation, case studies. Timber extraction mining, dams and their effects on forests and triber people. A general discussion on the local cases & importance of conservation of forest resources.
	3 RD	-Water resources, percentage of saline and fresh water present in nature. -Use and over-utilization of surface and ground water.
	4 TH	-Definition of floods, drought Conflicts over water, dam's benefits and problemsCases observed in local level.
3 RD	151	-Definition of Mineral Resources. Various mineral found from earth crustsUse and exploitation environmental effects of extracting and using mineral resources
	2 ND	-Food Resources, World food problems.

	187	Disaster management: Floods, earth quake.
		- Disaster management of cyclone and landslidesSummarization and overall discussions.
	SND	-Summarization and overall discussion of the chapter.
		Social issues and the Environment:
		-Discussion on various social issues arising out related to environmentForm unsustainable to sustainable development with some becample.
		example example to sustainable development.
	3RD	-Form unsustainable to sustainable development with some basic -Urban problems related to
		-Urban problems related to energy.
		-Summarization of resource of waterWater conservation.
12 TH	4 TH	Rain water by
12	181	Rain water harvesting, water shed management.
		-Resettlement and rehabilitation of people.
	2ND	- Its problems and concern.
	1	- TVII UTII II POTOL ATEL
	3RD	-Environmental ethics: issue and possible solutions.
	3	-Acid rain, ozona lavas de la
	41H	
	4	-Nuclear accidents and but
13 TH		- Judges Various insident
	157	- Air prevention and control of pollution Act.
	2 ND	- Water prevention and control of pollution ActPublic awareness regarding cause effect and control of environmenta pollution. - Summer of the pollution Act Public awareness regarding cause effect and control of environmenta pollution.
		pollution pollution
		-Summarization of the
	3 RD	-Summarization of the chapter with related question.
		-Human population and the environment: Discussion on current
		population of different countries.
	4 TH	1 - Population growth and variation among and
	4	
		- Causes responsible for population explosion.
14 TH		1 Toblettis distilly out of population evolucion
1411	1 ST	- Fairlily Welfare Drogram
		-Various program carried out by the Govt. of India.
	2 ND	- Environment and human health.
	33-53	- Human rights.
	3 RD	Value of a last
	3	-Value of education.
		-Summarization of the chapter.
	4 TH	-Doubt clearing and discussion of topics.
15 [™]	1 ST	 Doubt clearing and discussion of topics.
	2 ND	-Probable question discussion for the semester exam.
	3 RD	-Probable question discussion for the semester exam.
	4 TH	-Probable question discussion for the semester exam.

LEARNING RESOURCES:

- 1. Fundamental concepts in Environmental Studies by D.D. Mishra. S.Chand & Co-Ltd publication.
- 2. Text book of Environmental Studies by K. Raghavan Nambiar. SCITECH Publication Pvt. Ltd.

WEBSITE RESOURCES:

1. Wikipedia.

2. YouTube Channel "Lets studies" by Himanshi Singh.

Sign Of Faculty concerned

Sharemila I ahou Sign. Of HOD I/C

Principal