

LESSON PLAN-2020
SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

Discipline- ELECTRICAL	Semester- 5TH	Name of teaching faculty-Sonali Susmita Tripathy and Sasmita Kumari Das
SUBJECT- ENVIRONMENTAL STUDIES	No of days/ per week class alloted-	SEM From date- 01/09/2020 No of weeks-16
Week	Class day	Theory Topics
1st	02.09.20	Multidisciplinary nature of environmental studies basics
	03.09.20	Definition,scope of environmentalstudies
	04.09.20	Importance of environmental studies
	05.09.20	Need for public awareness
2nd	07.09.20	Natural resources and associates problems, forest resources : Use and over exploitation
	09.09.20	Deforestation,casestudies,Timber Extraction,miningdams,their effects on forest a tribal people
	10.09.20	Water resources:Uses and over utilization of surface and ground ground water, floods, drought
	11.09.20	conflict over water,dam's benefits and problems Mineral resources:Use and exploitation
	12.09.20	Environmental effects of extracting and using mineral resources Food resources:food problems
3rd	14.09.20	changes caused by agriculture and over grazing, effects of modern agriculture,fertilizer,salinity
	16.09.20	DO
	17.09.20	Energy resources:Growing energy need,renewable, non renewable energy resources,
	18.09.20	Use of alternate energy sources,case studies Land resources:land as resources,land degradation
	19.09.20	Man includes land slides,soil erosion and desertification
4th	21.09.20	Role of individual in conservation of natural resources, Equitable use of resources
	23.09.20	class test
	24.09.20	concept of ecosystem,Structure and function of an eco system
	25.09.20	Producer,consumer,decomposer and energy flow in the eco system
	26.09.20	Ecological succession
5th	28.09.20	food chain,food webs and ecological pyramids
	30.09.20	Introduction,types,characteristic features structure and function of following eco system
1st	1.10.20	DO
	2.10.20	Forest ecosystem
	03.10.20	aquatic ecosystem(ponds streams,lakes,rivers,oceans,estuaries)

2nd	05.10.20	class test
	07.10.20	Introduction-Definition: Genetics,species and eco system diversity
	08.10.20	Biogeographically classification of India, Values of bio diversity :consumptive use
	9.10.20	Productive use ,Social ethical aesthetic.optin value
3rd	10.10.20	IST INTERNAL
	12.10.20	IST INTERNAL
	14.10.20	IST INTERNAL
	15.10.20	Bio diversity at local national and global level
	16.10.20	Threats to bio diversity: habitat loss, poaching ,man -wild life conflict
4th	17.10.20	class test
	19.10.20	Definition ,Cause, Effect and control measures of air pollution
	21.10.20	Definition ,Cause, Effect and control measures of water pollution
	22.10.20	Definition ,Cause, Effect and control measures of soil pollution
5th	23.10.20	Definition ,Cause, Effect and control measures of marine pollution
	26.10.20	Definition ,Cause, Effect and control measures of noise pollution
	28.10.20	Definition ,Cause, Effect and control measures of thermal pollution
	29.10.20	Definition ,Cause, Effect and control measures of nuclear pollution
1st	30.10.20	Solid waste management: cause ,effects and control measures of urban and industrial wastes
	31.10.20	DO
	2.11.20	Role of an individual for prevention of pollution
	4.11.20	Disaster management:floods,earth quake, cyclone and land slides
	5.11.20	class test
2nd	6.11.20	Form unsustainable to sustainable development
	7.11.20	Urban problems related to energy
	9.11.20	water conservation, rain water harvesting, water shed management
	11.11.20	Resettlement and rehabilitation of people its problem and concern
	12.11.20	environmental ethics: issue and possible solution
3rd	13.11.20	Climate change, Global warming Acid rain ,Ozone layer depletion
	16.11.20	Nuclear accident and holocaust case studies
	18.11.20	Air(prevention and control of solutions) Act
	19.11.20	Water (prevention and control of solution)Act
	20.11.20	Public awareness
4th	21.11.20	class test
	23.11.20	Population growth and variation among nations

	25.11.20	Population explosion and family welfare program
	26.11.20	class test
	27.11.20	Environment and human health
5th	28.11.20	DO
1st	30.11.20	Human rights
	2.12.20	DO
	03.12.20	Value education
	04.12.20	class test
Hod		Principal