LESSONPLAN

Department:E&TC	Se	emester:3 rd ,Name of Faculty:
Subject:TH5	No.ofdays/	Effective From Date:
Environmental Studies	week Class allotted: 4	No. of Week-15
(EVS)		TopictobeCovered:
Week	ClassDay	Theory
	1st	UNIT1:THEMULTIDISCIPLINARYNATUREOFENVIRONMEN TAL STUDIES
1st	2nd	1.1.Definition,scopeandimportance
151	3rd	1.2.Needforpublicawareness
	4th	1. DoubtClearingclass2. Quiz test3. Assignment
	1st	UNIT 2:NATURALRESOURCES
	2nd	a)NaturalResourcesandAssociated Problems
2 nd	3rd	2.1.1. Forestresources:Useandover-exploitation,deforestation,case studies, Timber extraction mining, dam sand their effects on forestsandtribalpeople
	4th	2.1.2. Waterresources: Useandover-utilization of surface and ground water, floods, drought, conflicts over water, dam's benefits and problems.
	1st	2.1.3. MineralResources:Useandexploitation,environmentaleffects of extracting and using mineral resources.
	2nd	2.1.4. Food Resources: World food problems, changes caused by agricultureandovergrazing, effects of moderna griculture, fertilizers-pesticides problems, waterlogging and salinity.
3rd	3rd	2.1.5. Energy Resources: Growing energy need, renewable and non-renewableenergysources, use of alternate energy sources, case studies.
	4th	2.1.6. Land Resources:Landasaresource,landdegradation,man induceslandslides,soilerosion,anddesertification.
	1st	b)Roleof IndividualinConservation ofNaturalResources
	2nd	c)EquitableUseofResourcesforSustainableLife Styles
4 th	3rd	 DoubtClearingclass Quiz test Assignment
	4th	UNIT3: SYSTEMS
	1st	3.1. Concept ofaneco-system.
_	2nd	3.2. Structure and function of an eco-system.
5 th	3rd	3.3. Producers,consumers,decomposers.
	4th	3.4.Energyflowintheecosystems
	1st	3.5. Ecological succession
	2nd	3.6. Foodchains, food websandecological pyramids
6 th	3rd	3.7. Introduction,types,characteristicfeatures,structureandfunction ofthe followingecosystem
	4th	3.8. Forestecosystem

	1st	3.9. Aquaticecosystems(ponds, streams, lakes, rivers, oceans,
		estuaries).
	2nd	1. DoubtClearingclass
	Ziid	2. Quiz test 3. Assignment
7 th	3rd	UNIT4:BIODIVERSITYANDIT'S CONSERVATION
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	4th	4.1. Introduction-Definition:genetics,speciesandecosystem diversity.
	1st	4.2.BiogeographicallyclassificationofIndia.
	150	4.3. Valueofbiodiversity:consumptiveuse,productiveuse,social
	2nd	ethical,aestheticandoption values
416	3rd	4.4.Biodiversityatglobal,nationalandlocallevel
8 th		4.5. Threatstobiodiversity: Habitatsloss, poaching of wildlife, man
	4th	wildlifeconflicts.
		1. DoubtClearingclass
	1st	2. Quiz test
		3. Assignment
	2nd	UNIT5:ENVIRONMENTAL POLLUTION
		DefinitionCauses,effectsand controlmeasuresof:
	3rd	a) Airpollution.
	Sru	b) Waterpollution.
415		c) Soil pollution.
9 th		d) Marinepollution.
	4th	e) Noisepollution.
	7011	f) Thermalpollution.
		g) Nuclearhazards.
	1st	5.2. SolidwasteManagement:Causes,effectsand controlmeasures
		ofurbanandindustrialwastes.
	2nd	5.3. Roleofanindividual inpreventionofpollution.
10 th	3rd	5.4. Disaster management: Floods, earthquake, cycloneand
		landslides.
	4th	UNIT6:SOCIALISSUESANDTHEENVIRONMENT
	1st	6.1. Formunsustainabletosustainabledevelopment
	2nd	6.2. Urbanproblemsrelated toenergy
	3rd	6.3. Waterconservation, rain waterharvesting, water shed
11 th		management.
	4th	6.4. Resettlementandrehabilitationofpeople;itsproblemsand concern.
	1st	6.5.Environmentalethics:issueandpossible solutions
	151	6.6. Climatechange, globalwarming, acidrain, ozone layerdepletion,
	2nd	nuclearaccidentsandholocaust, casestudies.
12 th	3rd	6.7. Air(prevention and control of pollution) Act
	4th	6.8. Water(prevention and control of pollution) Act.
	1st	6.9. Publicawareness.
	200	1. DoubtClearingclass
13 th	2nd	2. Quiz test
		3. Assignment
	3rd	UNIT 7:HUMANPOPULATIONANDTHEENVIRONMENT
	4th	7.1.Populationgrowthandvariationamong nations
14 th	1st	7.2.Populationexplosion-familywelfareprogram.
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	2nd	7.3. Environmentandhumanhealth.
	3rd	7.4. Humanrights.
	4th	7.5. Valueeducation
	1st	7.6. Role of information technology in environment and human
		health.
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Signature of Faculty

ASIAN SCHOOL OF TECHNOLOGY , KHORDHA