## **LESSONPLAN**

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

	1.1	<b>3.9.</b> Aquaticecosystems(ponds, streams, lakes, rivers, oceans,
	1st	estuaries).
		1. DoubtClearingclass
	2nd	2. Quiz test
		3. Assignment
7 <sup>th</sup>	3rd	UNIT4:BIODIVERSITYANDIT'S CONSERVATION
	4th	<b>4.1.</b> Introduction-Definition:genetics,speciesandecosystem
		diversity.
	1st	<b>4.2.</b> BiogeographicallyclassificationofIndia.
8 <sup>th</sup>	2nd	<b>4.3.</b> Value of biodiversity: consumptive use, productive use, social
		ethical,aestheticandoption values
	3rd	4.4.Biodiversityatglobal,nationalandlocallevel
	4th	<b>4.5.</b> Threatstobiodiversity: Habitatsloss, poaching of wildlife, man
		wildlifeconflicts.
	1 <sub>ot</sub>	1. DoubtClearingclass
	1st	2. Quiz test
	2nd	3. Assignment UNIT5:ENVIRONMENTAL POLLUTION
	Zilu	DefinitionCauses, effects and control measures of:
		a) Airpollution.
	3rd	b) Waterpollution.
		c) Soil pollution.
9 <sup>th</sup>		d) Marinepollution.
	447	e) Noisepollution.
	4th	f) Thermalpollution.
		g) Nuclearhazards.
	1st	<b>5.2.</b> SolidwasteManagement:Causes,effectsand controlmeasures
		ofurbanandindustrialwastes.
	2nd	<b>5.3.</b> Roleofanindividual inpreventionofpollution.
10 <sup>th</sup>	3rd	<b>5.4.</b> Disaster management: Floods, earthquake, cyclone and
10		landslides.
	4th	UNIT6:SOCIALISSUESANDTHEENVIRONMENT
	1st	<b>6.1.</b> Formunsustainabletosustainabledevelopment
	2nd	<b>6.2.</b> Urbanproblemsrelated toenergy
	3rd	<b>6.3.</b> Waterconservation, rain waterharvesting, water shed
11 <sup>th</sup>		management.
	4th	<b>6.4.</b> Resettlementandrehabilitationofpeople;itsproblemsand concern.
	1st	<b>6.5.</b> Environmentalethics:issueandpossible solutions
		<b>6.6.</b> Climatechange, globalwarming, acidrain, ozone layerdepletion,
49	2nd	nuclearaccidentsandholocaust, casestudies.
12 <sup>th</sup>	3rd	<b>6.7.</b> Air(prevention and control of pollution) Act
	4th	<b>6.8.</b> Water(preventionand controlofpollution)Act.
	1st	<b>6.9.</b> Publicawareness.
		1. DoubtClearingclass
13 <sup>th</sup>	2nd	2. Quiz test
		3. Assignment
	3rd	UNIT 7:HUMANPOPULATIONANDTHEENVIRONMENT
	4th	7.1. Population growth and variation among nations
14 <sup>th</sup>	1st	<b>7.2.</b> Populationexplosion-familywelfareprogram.

	2nd	<b>7.3.</b> Environmentandhumanhealth.
	3rd	<b>7.4.</b> Humanrights.
	4th	7.5. Valueeducation
	1st	<b>7.6.</b> Role of information technology in environment and human health.
15 <sup>th</sup>		

Signature of Faculty

Lecture , CSE ASIAN SCHOOL OF TECHNOLOGY , KHORDHA