

VAISH TECHNICAL INSTITUTE ROHTAK

LESSON PLAN

Faculty Name: Anil Kumar Goel

Discipline: Civil Engg.

Subject: Environment Studies

Semester: First

Week	Theory		Practical	
	Lecture Day	Topic (including assignments /tests)	Practical Day	Topic
Week 1 st	1 st	Basics of ecology	1 st	Determination of pH of drinking water
	2 nd	Concept of ecosystem in detail		
Week 2 nd	1 st	Sustainable development concept	2 nd	Determination of pH of drinking water
	2 nd	Renewable resources in detail		
3 rd	1 st	Non Renewable resources in detail	3 rd	Determination of TDS in drinking water
	2 nd	class test of chapter 1st		
4 th	1 st	Concept of air pollution and its effects	4 th	Determination of TDS in drinking water
	2 nd	Source of air pollution in details		
5 th	1 st	Effect of air pollution on human health, economy,	5 th	Determination of TSS in drinking water
	2 nd	Effect of air pollution on plant and animals		Determination of TSS in drinking water
6 th	1 st	Air pollution control methods.	6 th	Determination of hardness in drinking water
	2 nd	Doubt will be taken		
7 th	1 st	Class test of chapter 2	7 th	Determination of hardness in drinking water
	2 nd	Concept of water pollution in details		
Week 8 th	1 st	Impurities in water, Cause of water pollution	8 th	Determination of oil & grease in drinking water

	2nd	Source of water pollution		
Week 9th	1st	Effect of water pollution on human health,	9th	Determination of oil & grease in drinking water
	2nd	Concept of dissolved O ₂ , BOD, COD.		
Week 10th	1 st	Prevention of water pollution- Water treatment processes,	10th	Determination of alkalinity in drinking water
	2 nd	Sewage treatment.		
Week 11th	1st	Water quality standard.	11 th	Determination of alkalinity in drinking water
	2nd	Doubt will be taken		
Week 12th	1st	Class test of chapter3	12 th	Determination of acidity in drinking water
	2 nd	Concept of Soil Pollution		
Week 13th	1 st	Sources of soil pollution	13th	Determination of acidity in drinking water
	2 nd	Types of Solid waste- House hold,		
Week 14 th	1st	Solid waste of Hospital, Agriculture, Biomedical,	14th	Determination of organic/inorganic solid in drinking water
	2nd	Solid waste Animal and human, excreta, sediments and E-waste		
Week 15 th	1 st	Effect of Solid waste	15th	Determination of organic/inorganic solid in drinking water
	2 nd	Disposal of Solid Waste		
Week 16th	1st	Solid Waste Management	16th	Determination of pH of soil
	2nd	Doubt will be taken		
Week 17th	1 st	Class test of chapter4	17th	Determination of pH of soil
	2 nd	Concept of noise pollution		
Week 18 th	1st	Source of noise pollution,	18th	Determination of N&P (Nitrogen & Phosphorus) of soil
	2nd	Unit of noise, Effect of noise pollution		
Week 19th	1 st	Acceptable noise level	19th	Determination of N&P (Nitrogen & Phosphorus) of soil

	2 nd	Different method of minimize noise pollution		
Week 20 th	1 st	Doubt will be taken	20 th	To measure the noise level in classroom and industry.
	2 nd	Class test of chapter5		
Week 21 th	1 st	Concept of Environmental Legislation	21 th	To measure the noise level in classroom and industry.
	2 nd	Introduction to Water (Prevention and Control of Pollution) Act 1974,		
Week 22 th	1 st	Revision of act 1974	22 th	To segregate the various types of solid waste in a locality.
	2 nd	Introduction to Air (Prevention and Control of Pollution) Act 1981		
Week 23 th	1 st	Environmental Protection Act 1986	23 th	To segregate the various types of solid waste in a locality.
	2 nd	Role and Function of State Pollution Control		
Week 24 th	1 st	Board and National Green Tribunal (NGT),	24 th	To study the waste management plan of different solid waste
	2 nd	Environmental Impact Assessment (EIA).		
Week 25 th	1 st	Doubt will be taken	25 th	To study the waste management plan of different solid waste
	2 nd	Class test of chapter6		
Week 26 th	1 st	Revision of chapter 6	26 th	To study the effect of melting of floating ice in water due to global warming
	2 nd	Impact of Energy Usage on Environment introduction only		
Week 27 th	1 st	Concept of Global Warming	27 th	To study the effect of melting of floating ice in water due to global warming
	2 nd	Green House Effect		
Week 28 th	1 st	Depletion of Ozone Layer	28 th	Viva question discussion
	2 nd	Acid Rain.		
Week 29 th	1 st	Eco-friendly Material	29 th	Viva question discussion
	2 nd	Recycling of Material,		
Week	1 st	Concept of Green Buildings	30 th	Viva question discussion

30	2nd	Revision of chapter 7 th		
		Doubt will be taken		
Week 31th	1st	Doubt will be taken of chapter 1,2	31th	Viva question discussion
	2nd	Doubt will be taken of chapter 2,3		
Week 32th		Doubt will be taken of chapter 3,4	32th	Viva question discussion
		Doubt will be taken of chapter 4,5		
Week 33th		Doubt will be taken of chapter 6,7	33th	Viva question discussion
		Previous year question paper will be solved and doubt will be taken		
Week 34th		Previous year question paper will be solved and doubt will be taken	34th	Viva question discussion
		Previous year question paper will be solved and doubt will be taken		
Week 35th		Previous year question paper will be solved and doubt will be taken	35th	Viva question discussion
		Previous year question paper will be solved and doubt will be taken		