

LESSON PLAN (Theory)

Name of the teacher : Puja Verma

Session : March-July 2022

Name of Subject : Environmental Studies & Disaster Management

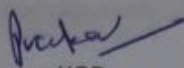
Branch : Mechanical Engg.

Semester: 2nd

S. No	Month	Week	Date Proposed	Name of Chapter	Content to be Taught	Remarks
1	March	3rd	14.03.2022	Basics of Ecology	Discussion of general terms: environment and its importance, relation between organism and their environment, biosphere, biotic and abiotic factor	
2			19.03.2022		Ecology, its objective and ecological organisation	
3		4th	21.03.2022		Ecosystem, structure of ecosystem and sustainable development.	
4			25.03.2022	Conservation of land	Conservation of land, preservation of species.	
5			26.03.2022		Desertification -Causes and Impacts, prevention of advancement of deserts	
6		5th	28.03.2022		Ground water depletion - causes and effects (loweing of water table)	
7	April	1st	01.04.2022		Rain water harvesting, deforestation -Causes , mpacts and control measures..	
8			02.04.2022		Revision and discussion of difficult topic.	
9		2nd	4.04.2022	Pollution	Pollution: Sources ,cause, effect and control measure of different types of pollution:	
10			8.04.2022		Air pollution, water polluton.	
11		3rd	11.04.2022		Noise pollution, soil pollution.	
12			16.04.2022		Class Test-I	
13		4th	18.04.2022		Radioactive and nuclear pollution.Units of measurement of pollution and its prevention.	
14			22.04.2022		Introduction to cleaner production technologies	
15			23.04.2022		Introduction to waste minimization technique.	
16		5th	25.04.2022		Revision and discussion of difficult topic.	
17	29.04.2022		Solid Waste Management	Solid waste management : classification of refuse material		
18	30.04.2022			Source , effect and control of refuse material.		

S. No	Month	Week	Date Proposed	Name of Chapter	Content to be Taught	Remarks	
19	May	1st	2.05.2022		Introduction to E -waste management.		
20			6.05.2022		Revision and discussion of difficult topic.		
21			7.05.2022	Energy Conservation	Introduction to energy management, energy conservation. Revision.		
22		2nd	13.05.2022		Energy efficiency and need, Energy conservation act 2001.		
23		3rd	20.05.2022		Revision and discussion of difficult topic.		
24			21.05.2022		Class Test-II		
25		4th	23.05.2022		Energy conservation amendment act 2010 & its importance. Role of nonconventional energy resources (Solar energy , wind energy) in environmental protection.		
26			27.05.2022		Role of nonconventional energy resources (bio energy , hydro energy) in environmental protection. Revision and discussion of difficult topic.		
27			28.05.2022	Impacts of Energy usage on environment.	Impact of global warming, green house effect. depletion of ozone layer, acid layer.		
28			5th	30.05.2022		Impact of Eco- friendly material. Recycling of material	
29			1st	3.06.2022		Concept of green building. Revision and discussin of difficult topics.	
30		June	1st	4.06.2022	Basics of Disaster management	Disaster definition, hazard, vulnerability, risk. Revision and discussin of difficult topics.	
31			2nd	6.06.2022 - 10.06.2022		House Test	
32			3rd	13.06.2022		Capacity: disaster and development and disaster management.	
33				17.06.2022		Types of disaster their cause , consequence and control: geological disaster(earthquake, lanslide, tsunami, mining)	
34	18.06.2022				Hydro-meterological disaster, biological disaster.		
35	4th		20.06.2022		technological and man - made disaster. Global disaster trend.		
36			24.06.2022		Disaster management , disaster risk reduction. Pre disaster : Risk assessment and analysis, risk mapping zonin and micro-zoning.		
37			25.06.2022		Prevention and mitigation of disasters, Early warning system: preparedness and capacity development.		
38			5th	27.06.2022		Revision and discussion of difficult topic.	

Signature of Teacher
11/3/2022


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