

Name of faculty - Ms Sheetal		
Subject - Environmental studies and disaster management		
Semester- 02		Branch: Computer, Civil
Lesson plan duration- 15weeks		
Work load (Theory) per week - 02 hours		
Week	Lecture day	Theory( Topic, assignments and tests)
1st	1	Unit1-Basic of Ecology, ecosystem and sustainable development
	2	Sources of energy ( advantages and disadvantages)
2nd	3	Rain water harvesting,deforestation - effects and control measures.
	4	Unit 2-Air pollution- sources ,effect of air pollution on human health and economy
3rd	5	Assignment 1
	6	Noise polluton- sources ,unit, effect of noise pollution
4th	7	Acceptable noise level and different methods of minimizing noise pollution
	8	Test of unit 1& 2
5th	9	1st sessional test
	10	Unit-3Water Pollutiion( causes, sources and effect on human health
6th	11	Concept of DO,BOD, COD and prevention of water pollution ( Water and sewage treatment)
	12	Water quality standards .Soil pollution sources, effect and control.
7th	13	Types of solid wastes( household , Industrial,agricultural ,biomedical) and its disposal
	14	Solid waste management and E-waste management
8th	15	Unit -4 Global warming and green house effect
	16	Ozone depletion, acid rain
9th	17	Ecofriendly material and recyling of materials
	18	Green building,carbon footprint and carbon credit concept
10th	19	Assignment 2
	20	2nd sessional test
11th	21	Unit -5 Natural disasters - flood, cyclone, earthquakes and landslides
	22	Fire ,industrial pollution, nuclear diaster , biological disaster
12th	23	Accidents,structural failures, war and terrorism
	24	Disaster preparedness plan and safety measures
13th	25	Psychological response and management ( trauma, stress, rumour and panic)
	26	3rd sessional test
14th	27	Test of unit 1
	28	Test of unit 2
15th	29	Test of unit 3
	30	Test of unit 4