

Discipline	Architectural Assistantship
Semester	2nd
Subject	Environmental Studies and Disaster Management
Lesson Plan Duration	15 Weeks
** Work Load (Lecture) per week (In Hours) : Lectures - 02	

Week	Theory		Practical	
	Lecture Day	Topic	Practical Day	Topic
		(Including assignment / test)		
UNIT-1 INTRODUCTION				
1 st	1 st	• Basics of Ecology, Eco-system- Concept and Sustainable development		
	2 nd	• Sources, Advantages and Disadvantages of Renewable Energy		
2 nd	3 rd	• Sources, Advantages and Disadvantages of Non renewable Energy		
	4 th	• Rain Water Harvesting, Deforestation - its effects & control measures		
		•ASSIGNMENT GIVEN		
UNIT-2 AIR & NOISE POLLUTION				
3 rd	5 th	•Air Pollution- Sources of Air Pollution, Effects of Air Pollution on Human Health, Economy.		
	6 th	• Air Pollution Control methods		
4 th	7 th	SESSIONAL WEEK		
	8 th			
5 th	9 th	• Noise Pollution- Source of Noise Pollution, Unit of Noise, Effects of Noise Pollution.		
	10 th	• Acceptable Noise Level, Different method of minimizing noise pollution		
		•ASSIGNMENT GIVEN		
UNIT-3 WATER & SOIL POLLUTION				
6 th	11 th	• Water Pollution- impurities , Causes and Sources of Water pollution, effects of water pollution on Human Health		
	12 th	• Concept of DO,BOD, COD. Prevention of water pollution- water treatment processes, Sewage treatment, Water quality standard.		
7 th	13 th	•Soil Pollution :Sources of soil pollution, Effects and Control of soil pollution, Types of Solid waste- House hold, Industrial, Agricultural, Biomedical,		
	14 th	• Disposal of solid waste, Solid waste management E-waste, E – waste management		
		•ASSIGNMENT GIVEN		
UNIT-4 IMPACT OF ENERGY USAGE ON ENVIRONMENT				
	15 th	•Global Warming, Green House Effect, Depletion of Ozone Layer, Acid Rain.		

8 th	16 th	•Eco-friendly Material, Recycling of Material, Concept of Green Buildings, Concept of Carbon Credit & Carbon footprint.		
		•ASSIGNMENT GIVEN		
9 th	17 th	SESSIONAL WEEK		
	18 th			
UNIT-5 DISASTER MANAGEMENT				
10 th	19 th	•A. Different Types of Disaster: Natural Disaster: such as Flood, Cyclone, Earthquakes and Landslides etc.		
	20 th	•Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters.		
11 th	21 st	•Accidents (Air, Sea Rail & Road), Structural failures(Building and Bridge), War & Terrorism etc.		
	22 nd	•B.Disaster Preparedness: Disaster Preparedness Plan, Prediction, Early Warnings.		
12 th	23 rd	•Safety Measures of Disaster Psychological response and Management (Trauma, Stress, Rumour and Panic)		
	24 th	•ASSIGNMENT GIVEN		
13 th	25 th	SESSIONAL WEEK		
	26 th			
14 th	27 th	REVISION		
	28 th	REVISION		
15 th	29 th	REVISION		
	30 th	REVISION		