

### Specimen of lesson Plan

**Name of the Faculty** Ms. Renu  
**Discipline** CIVIL ENGG.  
**Semester** 6TH  
**Subject** ENVIRONMENTAL ENGINEERING  
**Lesson Plan Duration** 15 weeks(from January, 2018 to April,2018)

Week		Theory
	Lecture Day	Topic (inculding assignment/test)
1st	1st	Study of Importance of Environmental Engineering;- Importance of clean environment, control of environmental pollution with respect to air, land and water
	2nd	Conservation of natural resources, environmental education and awareness, sustainable development
	3rd	Revision
2nd	4th	Environments and Ecology:-Definition and understanding of environment and ecology concept,
	5th	Ecosystem and types of ecosystems, energy flow in an ecosystem,
	6th	food chain, ecological pyramids, consortium and ecological balance
3rd	7th	Water Pollution:-
	8th	Causes of pollution in surface and underground water eutrophication of lakes
	9th	Preventing measure; BIS standards for water quality.
4th	10th	Air Pollution:-Definition, principal air pollutants, atmospheric parameters
	11th	Influencing air pollution, types of air contaminants and their sources, effects of air pollution on human beings, plants, animals, automobile pollution
	12th	BIS ambient air quality standards and measures to combat air pollution
5th	13th	Noise Pollution:--Definition, unit of measurement of noise,
	14th	Sources and effects of noise pollution and control of noise pollution
	15th	Revision
6th	16th	Effects of mining, blasting and deforestation:-Ill effects of mining, blasting
	17th	Deforestation on the environment human life and wild life.
	18th	Revision/Assignment
7th	19th	Land Use:- Effect of land use on environmental quality

	20th	land use and natural disasters,(land slides etc)
	21st	Revision
8th	22nd	Soil degradation problems - erosion, water logging, soil pollution etc.
	23rd	Environmental Impact Assessment:-Definition and requirements,
	24th	Revision
9th	25th	Environmental impact assessment.
	26th	Flow chart of environmental impact assessment methodology.
	27th	Revision
10th	28th	Describe the need and importance of EIA.
	29th	Legislation to Control Environmental Pollution (idea):-
	30th	Revision
11th	31st	Indian legislative acts for water,
	32nd	land and air pollution control
	33rd	Revision
12th	34th	Provisions, scope and implementation
	35th	Provisions, scope and implementation
	36th	Revision/Assignment
13th	37th	Global Issues of Environmental Engineerin:-Global warming, ozone depletion, acid rain,
	38th	oil pollution; radiation hazards and their control,
	39th	Revision
14th	40th	Concept of clean technology and carbon credits.
	41st	Renewable Source of Energy:-Role of non-conventional sources of energy (biogas, solar, wind etc) in environmental protection
	42nd	Revision
15th	43rd	Conservation of energy resources like coal, oil etc.,
	44th	Alternative fuels, bio-diesel etc.
	45th	Revision/Assignment