

### Specimen of lesson Plan

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

Week	Lecture Day	Theory (inculding assignment/test)
1st	1st	Elements of Engineering Seismology:- General features of tectonic of seismic regions
	2nd	Causes of earthquakes, Seismic waves,
	3rd	Revision
2nd	4th	Earthquake size (magnitude and intensity), Epicentre, Seismograph,
	5th	Classification of earthquakes,
	6th	Revision
3rd	7th	Seismic zoning map of India,
	8th	Static and Dynamic Loading, Fundamental period.
	9th	Revision
4th	10th	Seismic Behaviour of Traditionally-Built Constructions of India:- Performance of building during earthquakes
	11th	Mode of failure (Out-of-plane failure, in-plane failure, Diaphragm failure,
	12th	Revision/Assignment
5th	13th	Connection failure,
	14th	Non-structural components failure)
	15th	Revision
6th	16th	Special construction method,
	17th	Tips and precautions to be observed while planning,
	18th	Revision
7th	19th	Tesigning and construction of earthquake resistant building
	20th	Tesigning and construction of earthquake resistant building
	21st	Revision
8th	22nd	Introduction to IS: 4326, IS: 13828, IS: 1893(Part 1), 154326 and IS: 13920 (latest edition)

	23rd	Introduction to IS: 4326, IS: 13828, IS: 1893(Part 1), 154326 and IS: 13920 (latest edition)
	24th	Revision/Assignment
9th	25th	Seismic Provision of Strengthening
	26th	Retrofitting Measures for Traditionally- Built Constructions,
	27th	Revision
10th	28th	Brick and RCC Structures
	29th	, Brick and RCC Structures
	30th	Revision
11th	31st	Provision of reinforcement detailing in masonry and RC constructions
	32nd	Provision of reinforcement detailing in masonry and RC constructions
	33rd	Revision
12th	34th	Disaster Management: Disaster rescue
	35th	Psychology of rescue,
	36th	Revision
13th	37th	Rescue workers,
	38th	Rescue plan, rescue by steps,
	39th	Revision
14th	40th	Rescue equipment,
	41st	Safety in rescue operations,
	42nd	Revision
15th	43rd	Debris clearance and casualty management.
	44th	Debris clearance and casualty management.
	45th	Revision/Assignment