

NAME OF FACULTY :- MR. ASHISH JUNEJA
 DICIPLINE :- CIVIL ENGG.
 SEMESTER :- 6TH
 SUBJECT :- ERBC
 LESSON PLAN DURATION :- FROM JAN, 2018 to APRIL, 2018
 WORK LOAD PER WEEK :- 3 Lecture/week

THEORY		
Week	Lecture Day	Topic
		Assignment/Test
1st	1	General features of tectonic of seismic regions
	2	Causes of earthquakes, Seismic waves
	3	earthquake size (magnitude and intensity), Epicentre
2nd	4	Seismograph, Classification of earthquakes
	5	Seismograph, Classification of earthquakes
	6	Seismic zoning map of India
3rd	7	Static and Dynamic Loading
	8	Fundamental period
	9	Performance of building during earthquakes
4th	10	Performance of building during earthquakes
	11	Mode of failure :- Out-of-plane failure
	12	Mode of failure :- in-plane failure
5th	13	Diaphragm failure
	14	Connection failure
	15	Non-structural components failure
6th	16	Special construction method
	17	Special construction method
	18	tips and precautions to be observed while planning
7th	19	tips and precautions to be observed while planning
	20	designing of earthquake resistant building
	21	designing of earthquake resistant building
8th	22	construction of earthquake resistant building
	23	construction of earthquake resistant building
	24	Introduction to IS: 4326
9th	25	Introduction to IS: 13828
	26	Introduction to IS: 1893(Part 1), 154326
	27	Introduction to IS: 1893(Part 1), 154326
10th	28	Introduction to IS: 13920 (latest edition)
	29	Seismic Provision of Strengthening
	30	Seismic Provision of Strengthening
11th	31	Retrofitting Measures for Traditionally-Built Constructions
	32	Retrofitting Measures for Traditionally-Built Constructions
	33	Retrofitting Measures for Traditionally-Built Constructions
12th	34	Brick and RCC Structures
	35	Brick and RCC Structures
	36	Brick and RCC Structures
13th	37	Provision of reinforcement detailing in masonry
	38	Provision of reinforcement detailing in masonry
	39	Provision of reinforcement detailing in masonry
14th	40	Provision of reinforcement detailing in RC constructions
	41	Provision of reinforcement detailing in RC constructions
	42	Provision of reinforcement detailing in RC constructions
15th	43	Disaster Management: Disaster rescue
	44	psychology of rescue, rescue workers
	45	rescue plan, rescue by steps
16th	46	rescue equipment, safety in rescue operations
	47	rescue equipment, safety in rescue operations
	48	debris clearance and casualty management

TEACHER

HOD

PRINCIPAL