

Department of Civil Engineering

I M.Tech I SEM, ACT, 2015-16

LESSON PLAN

G.saranya

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
5,6	21-09-2015	Introduction about the subject objectives, cos, pos and details of subject	1	C.R	2
1,2	01-10-2015	concrete materials and properties	1	C.R	4
5,6	06-10-2015	Fresh concrete and hardened concrete	1	C.R	6
1,2	08-10-2015	Tests on fresh concrete and hardened concrete	1	C.R	8
5,6	13-10-2015	Admixtures, their types and purpose	1	C.R	10
1,2	15-10-2015	Introduction and non destructive evaluation	2	C.R	12
5,6	20-10-2015	Concrete behaviour under corrosion, disintegrated mechanism	2	C.R	14
1,2	22-10-2015	Acoustical emissions method, corrosion activity methods	2	C.R	16
5,6	27-10-2015	Impact echo methods ultrasound pulse velocity methods	2	C.R	18
1,2	29-10-2015	Repair and re habitation of structural elements	3	C.R	20
5,6	3-11-2015	Analysis and design and materials requirements	3	C.R	22
1,2	10-11-2015	Surface preparation, reinforcing steel cleaning	3	C.R	24
5,6	12-11-2015	Repair and protection	3	C.R	26
1,2	24-11-2015	Strengthening and stabilization	4	C.R	28
5,6	26-11-2015	Design considerations and strengthening of beam	4	C.R	30
1,2	1-12-2015	Shear transfer strengthening and column strengthening	4	C.R	32
5,6	3-12-2015	column strengthening	4	C.R	34
1,2	8-12-2015	Flexure strengthening	4	C.R	36
5,6	10-12-2015	Fibre reinforced concrete	5	C.R	38
1,2	15-12-2015	Properties of the material used	5	C.R	40
5,6	17-12-2015	Mixing and casting methods Mechanical properties	5	C.R	42
1,2	22-12-2015	Application of fibre reinforced concrete	5	C.R	44
5,6	24-12-2015	Light weight concrete	6	C.R	46
1,2	29-12-2015	Design of light weight concrete High performance concrete	6	C.R	48

5,6	31-12-2015	Development of High performance concrete and their properties and materials	6	C.R	50
1,2	5-01-2016	Properties Of High performance concrete and their properties and materials	6	C.R	52
5,6	7-01-2016	Application and properties	6	C.R	54

NOTE: C.R- Class Room Teaching (Black board, PPT)

Signature