Department of Civil Engineering

I M.Tech I SEM, ACT, 2016-17

LESSON PLAN G. N.MURTHY

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
7,8	22-08-2016	Introduction about the subject objectives, cos, pos and details of subject	1	C.R	2
1,2	26-08-2016	concrete materials and properties	1	C.R	4
7,8	29-08-2016	Fresh concrete and hardened concrete	1	C.R	6
1,2	02-09-2016	Tests on fresh concrete and hardened concrete	1	C.R	8
7,8	05-09-2016	Admixtures, their types and purpose	1	C.R	10
1,2	09-09-2016	Introduction and non destructive evaluation	2	C.R	12
7,8	12-09-2016	Concrete behaviour under corrosion, disintegrated mechanism	2	C.R	14
1,2	16-09-2016	Acoustical emissions method, corrosion activity methods	2	C.R	16
7,8	19-09-2016	Impact echo methods ultrasound pulse velocity methods	2	C.R	18
1,2	23-09-2016	Repair and re habitation of structural elements	3	C.R	20
7,8	26-09-2016	Analysis and design and materials requirements	3	C.R	22
1,2	30-09-2016	Surface preparation, reinforcing steel cleaning	3	C.R	24
7,8	03-10-2016	Repair and protection	3	C.R	26
1,2	07-10-2016	Strengthening and stabilization	4	C.R	28
7,8	10-10-2016	Design considerations and strengthening of beam	4	C.R	30
1,2	14-10-2016	Shear transfer strengthening and column strengthening	4	C.R	32
7,8	24-10-2016	column strengthening	4	C.R	34
1,2	28-10-2016	Flexure strengthening	4	C.R	36
7,8	31-10-2016	Fibre reinforced concrete	5	C.R	38
1,2	04-11-2016	Properties of the material used	5	C.R	40
7,8	07-11-2016	Mixing and casting methods Mechanical properties	5	C.R	42
1,2	11-11-2016	Application of fibre reinforced concrete	5	C.R	44
7,8	14-11-2016	Light weight concrete	6	C.R	46
1,2	18-11-2016	Design of light weight concrete High performance concrete	6	C.R	48

7,8	21-11-2016	Development of High performance concrete	6	C.R	50
1,2	25-11-2016	and their properties and materials			52
7,8	28-11-2016	Properties Of High performance concrete and their properties	6	C.R	54
1,2	02-12-2017	and materials			56
7,8	05-12-2017	Application and properties	6	C.R	58
1,2	09-12-2017	Revision			60

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

Signature