

# Department of Civil Engineering

III B.Tech IISEM-A section, TE-II, 2015-16

## LESSON PLAN

K.RAJASEKHARAM

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
1	06-01-2016	Introduction of transportation engineering-II, Introduction of all units with modes	1	CR	1
7	07-01-2016	Pavement design methods	1	CR	2
1,2	07-01-2016	CBR method, IRC method, AASTHO method	1	CR	4
7	08-01-2016	Rigid pavement design-IRC	1	CR	5
1,2	13-01-2016	Importance of joints	1	CR	7
1	14-01-2016	Types of joints, use and their functioning of joints	1	CR	8
7	14-01-2016	Use of tie bars and dowel bars	1	CR	9
1	15-01-2016	Construction of earthen roads	2	CR	10
1	20-01-2016	Gravel roads	2	CR	11
1	21-01-2016	Water bound macadam (WBM)	2	CR	12
7	22-01-2016	Bituminous roads	2	CR	13
1,2	27-01-2016	Cement concrete roads	2	CR	15
1	28-01-2016	Construction of joints in RCC	2	CR	16
7	29-01-2016	Highway maintenance and its types	2	CR	17
1,2	03-02-2016	Failure of flexible pavements	2	CR	19
1	04-2-2016	Failure of rigid pavement	2	CR	20
7	04-02-2016	Strengthening of existing pavements	2	CR	21
1	05-02-2016	Highway drainage and its types	2	CR	22
2	10-02-2016	Surface drainage	2	CR	23
7	11-02-2016	Sub surface drainage	2	CR	24
1,2	12-02-2016	Highway user benefits and types Different types of highway costs	3	CR	26
1	17-02-2016	Economic analysis and problems	3	CR	27

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2	17-02-2016	Highway finance	3	CR	28
7	18-02-2016	Permanent way components	4	PPT	29
1	19-02-2016	Functions of rails, sleepers, ballast	4	PPT	30
7	24-02-2016	Types of rails, sleepers, ballast	4	PPT	31
1,2	25-02-2016	Rail fastenings	4	PPT	33
1	26-02-2016	Creep of rails and theories related to creep	4	PPT	34
7	02-03-2016	Adzing of sleepers	4	PPT	35
1,2	03-03-2016	Sleeper density Rail joints, types and uses	4	PPT	37
1	04-03-2016	Turnouts and types	4	PPT	38
1	09-03-2016	Turnout parts and components	4	PPT	39
1,2	10-03-2016	Types of track functions Points and crossings	4	PPT	41
7	10-03-2016	Track drainage, Railway stations and yards	4	PPT	42
1	11-03-2016	Railway signalling	4	PPT	43
1,2	24-03-2016	Factors affecting selection of site airport, Computation of runway length	5	PPT	45
1	30-03-2016	Correction for runway length	5	PPT	46
1,2	06-04-2016	Orientation of runway by wind rose diagram	5	PPT	48
7	08-04-2016	Runway lightening system Taxiway, apron, Airport layout and its components	5	PPT	50
1,2	13-04-2016	Control tower and terminal building	5	PPT	52

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

*K. Rajan*

Signature