

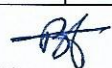
LESSON PLAN

Department of Civil Engineering

III B.Tech II SEM (A), GTE-II, 2015-16, B.ESWARA RAO

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
1,2	18/01/16	Soil exploration: Need – Methods of soil exploration	I	C.R	2
5,6 1,2	22/01/16 25/01/16	Boring and Sampling methods	I	C.R	4
5,6	29/01/16	Field tests – Penetration Tests	I	C.R	6
1,2 5,6	01/02/16 05/02/16	Plate load test ,Pressure meter	I	C.R	8
1,2	08/02/16	planning of Programme and preparation of soil investigation report	I	C.R	10
5,6	12/02/16	Earth slope stability: Infinite and finite earth slopes	II	C.R	12
1,2	15/02/16	types of failures – factor of safety of infinite slopes	II	C.R	14
5,6	19/02/16	stability analysis by Swedish arc method, standard method of slices,	II	C.R	16
1,2	22/02/17	Bishop's Simplified method	II	C.R	18
5,6	26/02/16	Taylor's Stability Number	II	C.R	20
1,2	29/02/17	Stability of slopes of earth dams under different conditions	II		22
5,6	04/03/16	Earth pressure theories: Rankine's theory of earth pressure	III	C.R	24
1,2	07/03/16	earth pressures in layered soils	III	C.R	26
5,6	11/03/16	Coulomb's earth pressure theory	III	C.R	28
1,2	14/03/16	Culmann's graphical method	III	C.R	30
5,6	15/03/16	Shallow foundations: Types - choice of foundation	IV	C.R	32
1,2	18/03/16	Location of depth	IV	C.R	34
5,6	22/03/16	Safe Bearing Capacity -Terzaghi	IV	C.R	36
1,2	25/03/16	Safe Bearing Capacity -Meyerhof	IV	C.R	38
5,6	29/03/16	Safe Bearing Capacity -Skempton	IV	C.R	40
5,6 1,2	01/04/16 04/04/16	Safe Bearing Capacity -IS Methods	IV	C.R	42
5,6	08/04/16	Safe bearing pressure based on N- value	IV	C.R	44
1,2	11/04/16	allowable bearing pressure; safe bearing capacity	IV	C.R	46
1,2	18/04/16	Settlement from plate load test	IV	C.R	48
5,6	22/04/16	allowable settlements of structures - Settlement Analysis	IV	C.R	50
1,2	25/04/16	Pile foundation: Types of piles	V	C.R	52
5,6	29/04/16	Load carrying capacity of piles based on static pile formulae	V	C.R	54
1,2	02/05/16	Dynamic pile formulae	V	C.R	56
5,6	06/05/16	Pile load tests	V	C.R	58
1	09/05/16	Load carrying capacity of pile groups in sands	V	C.R	59
2	09/05/16	Load carrying capacity of pile groups in clays	V	C.R	60
5,6	13/05/16	Settlement of pile groups.	V	C.R	61

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


Signature