

Lesson Plan

(Code) TH-1 Name of faculty Krishnanaraj Sethi

Semester 6th Class allotted 4P/week Branch Electrical Engg.

Discipline	Semester	From date: <u>10/03/22</u> To date: <u>10/08/22</u>	Teaching Aid
Subject	No. of days/ per week	Theory/ Practical - Topics/Lesson	
Week	Date/Period		
1	10/3/22	Definitions of Ampere, Apparatus, Accessible, Bare, Cable, Circuit, Circuit Breaker, Conductor Voltage, Live, dead, Cut-out, Conduit, system, dangle, installation.	
	11/03/22	Define Earthing system, span volt, switch gear.	
2	14/03/22	General safety precautions rule 29, 30, 31, 32, 33, 34, 35, 36, 40, 41, 43, 44, 45, 46.	
	15/03/22	General conditions relating to supply & use of energy rule 43, 48, 49, 50, 51, 54, 55, 56, 57, 58, 59, 60.	
	16/03/22	61, 62, 63, 64, 65, 66, 67, 68, 70	
	17/03/22	OH lines rule 74, 75, 76, 77, 78, 79, 80, 86, 87, 88, 89, 90, 91.	
3	21/03/22	Electrical installations, domestic, industrial, wiring system, Electrical	
	22/03/22	Internal distribution of Electrical Energy - methods of wiring	
	23/03/22	system of wiring, wire & cable, conductor material used as cable,	
	24/03/22	insulating materials mech. protecting	
	25/03/22	Types of cables used as internal wiring, multi standard cables, voltage grade cables	
4	28/03/22	General specification of cables	
	29/03/22	MS & DB, conduit, accessories & fittings	
	30/03/22	lighting accessories & fittings, fuse	
	31/03/22	important decisions, determination of size of fuse.	
5	04/04/22	Determination of earth wire	
	05/04/22	& earth plate for domestic & industrial installation.	
	06/04/22	Material requirement for GI	
	07/04/22	pipe earthing.	
	08/04/22		
6	11/04/22		
	12/04/22		
	13/04/22		
7	18/04/22		
	19/04/22		
	20/04/22		
	22/04/22		

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Week	Date/Period	Theory/ Practical - Topics/Lesson	Teaching Aid
8	25/04/22	Aspects of good lighting services.	
	26/04/22	Types of lighting schemes, design	
	27/04/22	of lighting schemes, factory lighting	
	28/04/22	public lighting installations, street	
	29/04/22	lighting, general rules of wiring	
9	02/05/22	Determination of no. of sub-ckt.	
	04/05/22	total load (light, fan, socket outlets)	
	05/05/22	Types of internal wiring, clew, CTS,	
	06/05/22	concealed wiring, metal sheathing	
10	09/05/22	wiring, conduit wiring.	
	10/05/22	their adv. & Disadv. Comparison	
	11/05/22	and application.	
	12/05/22	Prepare & estimate of material req.	
	13/05/22	for CTS wiring for small domestic	
11	17/05/22	installation of 1 room & veranda 25m ²	
	18/05/22	Prepare & estimate of material req.	
	19/05/22	for conduit wiring for small domestic	
	20/05/22	installation 1 room & veranda with	
	23/05/22	25m ² with given ligh. fan & plug points	
12	24/05/22	Concealed wiring estimate 1 room,	
	25/05/22	one veranda, bath, kitchen 50m ² with ligh. -	
	26/05/22	Prepare estimate small workshop 30m ²	
	27/05/22	& load within 10 KW.	
	28/05/22	main components of overhead lines	
13	31/05/22	line support, factor governing height of tower	
	31/05/22	cross arm, pole bracket, jumpers, steel etc. Prepare estimate LT distribution 100 KW max ^m , calculation size of cond, spanned length, sagging Prepare estimate of material req. for HT distribution 11KV, 2km & load 2000KW	
14	01/06/22	Components of service lines, bearer wire,	
	02/06/22	lacing rod, Arise - fuse, energy box meter	
	03/06/22	Prepare & estimate 1-φ supply load	
15	06/06/22	5KW to a 1 stored residential building	
	07/06/22	Prepare & estimate 1-φ supply load	
	08/06/22	3KW, double stored building separate 1-φ	
	09/06/22	Estimated service connection to a factory	
	10/06/22	with load of 15 KW using insulation wire & bare conductor. Estimate pole & plinth mounted substation.	

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