

lesson plan

Name of Faculty: Sh. Amit kumar

Discipline: Electrical Engg

subject : EWP -1

Lesson Plan Duration: 2020- 2021

weeks	days	topic of practical	groups
week 1	day1	Study of electrical safety measures as mentioned in the Indian	g1
	day2	Electricity Rules and shock treatment including first aid	g2
week2	day1	Wire jointing :Straight married joint,Western union joint , Britania	g1
	day2	joint, Twist sleeve joint and Bolted type	g2
week3	day1	Types of wiring and to make differe	g1
	day2	light control circuits in the following types of wiring: 1 Casing and capping (PVC) wiring. 2 Conduit wiring (surface/concealed, Filling and crimping of thimbles.	g2
week 4	day1	Wiring of main distribution board with four outgoing circuits	g1
	day2	for light and fan loads including main switch and fuses (only internal connection) Types of wiring and to make different light control circuits in the following types	g2
week 5	day1		g1
	day2	Casing and Capping (PVC) wiring , Conduit wiring	g2
week 6	day1	Construction/assembly of Distribution Board and Extension Board 5.1	g1
	day2	Construction of an extension board with two 5A sockets and one 15A Socket controlled by their respective switches, a fuse and indicator with series test lamp provision. 5.2 Assembly of distribution board panel using MCB, main switch, change over switch and ELCB/RCCB.	g2
week 7	day1	Simple light and Alarm Circuits (any four)	g1
	day2	1 One lamp controlled by two switches (staircase circuit) 2 Two lamps controlled by three switches (double staircase) 3 Two ordinary bells (for day and night) used at a distant reside 4 Bell response circuit using one bell and one relay	g2
week 8	day1	Wiring of a series test lamp board and to use it	g1
	day2	for finding out simple faults	g2
week 9	day1		g1
	day2	Testing of domestic wiring installation using meggar	g2
week 10	day1		g1
	day2	Fault finding and repair of a tube light circuit	g2
week 11	day1	Wiring and testing of alarm and indicating circuits using relay	g1
	day2	, push buttons and bells (simple single phase circuits)	g2
week 12	day1		g1
	day2	revision	g2

week 13	day1 day2	Assembly of distribution board/ panel using MCB, main switch, changeover switch and ELCB etc.	g1 g2
week 14	day1 day2	check practical	g1 g2
week 15	day1 day2	viva question	g1 g2
week 16	day1 day2	internal viva	g1 g2