

Name of faculty Ms. Priyanka
 Discipline Electrical Engineering
 Semester 6th
 Subject Power II
 Lesson
 Plan 15 week
 work
 load 4L theory 3 practical

Week	Lecture Day	Theory	Practical	Topic
1st	1	Unit 1st Introduction to fault, common types of Fault	1	testing of the dielectric strength of transformer oil and air.
	2	Over head and under ground system and fault		
	3	Symmetrical and unsymmetrical fault		
	4	Single Line to ground fault		
	5	Double line to ground faults		
	6	3 phase to ground faults		
	7	Simple problems relating to fault finding		
2nd	8	Unit 2nd Purpose of protective gear	2	Study of different types of circuit breakers and isolators.
	9	Difference between switch, isolator and C.B		
	10	Function of isolator and Circuit breaker		
	11	making and breaking of circuit breaker		
	12	Types of circuit breaker		
	13	Bulk CB construction working Principle		
	14	Minimum CB construction working		
3rd	15	SF6 CB construction working	3	Plot the time current characteristics of over current relay.
	16	Arc extinction, Principle of arc extinction		
	17	Blast CB in Cbin OCB		
	18	Constructional features of OCB		
	19	ACB construction working		
	20	Methods of Arc Extinction		
	21	minature CB construction, working		
4th	22	MCCB and ELCB	4	Power measurement by using CTs and PTs.
	23	Unit Function of fuse, HV and LV fuse		
	24	Rewireable, cartridge fuse construction		
	25	HRC fuse construction		
	26	Purpose of earthing, defination of earthing		
	27	Earthing equipment used in earthing		
	28	Substation earthing systems		
5th	29	Methods of reducing earthing resistance	5	Earthing of different equipment.
	30	Introduction to relay ,types of earthing		
	31	Electromagnetic relay construction, working		

	32	Thermal relay,construction,working		
9th	33	Induction type Over current relay		
	34	Earth fault relay construction working		
	35	Instaneous Over current relay		
	36	Direct over current differential relay		
10th	37	Functions of Differential over current relay		
	38	Unit 4th Relays for generator proction		
	39	Relay for transformer protection bucloz relay		
	40	bucloz relay construction ,working		
11th	41	Protection for feeder and bus bar	6	Perform the overload and short circuit test of MCB.
	42	Over current and earth protection		
	43	Distance protection for transmission system		
	44	Relay for motor protection		
12th	45	Unit 5th Protection of system against over voltage		
	46	Causes of over voltage and protection		
	47	Utility of ground wire		
	48	Introduction to Lightning arrestor,types	7	Plot the time current characteristics of Kit-Kat Fuse wire.
13th	49	Rod gap arrestor construction ,working		
	50	Horn gap arrestor		
	51	Metal oxide arrestor		
	52	Metal oxide arrestor		
14th	53	Transmission line protection		
	54	Substation protection		
	55	Unit 6th Concept of tarrif and use		
	56	Types of tarrifs	8	Taking reading of current on any LT line with ohm meter.
15th	57	Block rate tarrif		
	58	Flate rate tarrif		
	59	Maximum demand and two part tarrif		
	60	Simple problems		