LESSON PLAN

Name of the	ne Institute: C.	V. RAMAN POLYTECHNIC					
Department:		ELECTRICAL ENGINEERING					
Semester/Division/Branch: Subject Name with code: Total No. of Class (Required): Faculty Name:		6 th SEM/EE SWITCH GEAR AND PROTECTIVE DEVICE(TH-2) 60 MADHUPRACHI NAYAK					
				Class No.	Brief description of t	he Topic/Chapter to be taught	Remarks
				1	Essential Features of switchgear		· //
				2	Switchgear Equipment.		
3	Bus-Bar Arrangement						
4	Switchgear Accommodation.						
5	Short Circuit.						
6	Faults in a power system.						
7	Symmetrical faults on 3-phase	e system					
8	Limitation of fault current.						
9	Percentage Reactance.						
10	Percentage Reactance and Ba	ase KVA					
11	Short circuit KVA						
12	Location of reactors.						
13	Steps for symmetrical Fault ca	alculations					
14	Solve numerical problems on symmetrical fault						
15	Low and High voltage fuses.						
16	Current carrying capacity of fu	se element.					
17	Difference Between a Fuse an	그러지 그렇게 얼마 생생이를 통해 되었다. 이상에 걸었다.					
18	Definition and principle of Circ						

19	Arc phenomenon and principle of Arc Extinction		
20	Methods of Arc Extinction.	3	
21	Classification of circuit Breakers.		
22	Oil circuit Breaker and its classification.		
23	Method of ARC Extinction		
24	Plain brake oil circuit breaker		9/2
25	Arc control oil circuit breaker		
26	Low oil circuit breaker.		
27	Maintenance of oil circuit breaker		
28	Air-Blast circuit breaker and its classification.		
29	Sulphur Hexa-fluoride (SF6) circuit breaker		
30	Vacuum circuit breakers.		
31	Switchgear component	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
32	Problems of circuit interruption		
33	Resistance switching		To Market
34	Circuit Breaker Rating		
35	Definition of Protective Relay		
36	Fundamental requirement of protective relay.		
37	Basic Relay operation	1.00000	
38	Electromagnetic Attraction type		
39	Definition of following important terms		Assessed to the second
40	Pick-up current		
41	Current setting.		
42	Time setting Multiplier.		All pages to said
43	Classification of functional relays		
44	Induction type over current relay (Non-directional)		
45	nduction type directional power relay.		

46	Induction type directional over current relay	
47	Differential relay	
48	Current differential relay	
49	Voltage balance differential relay	
50	Types of protection	
51	Protection of alternator	
52	Differential protection of alternators.	
53	Balanced earth fault protection	1
54	Protection systems for transformer	
55	Buchholz relay.	
56	Protection of Bus bar	
57	Protection of Transmission line	
58	Rod-gap lightning arreste	
59	Horn-gap arrester	
60	Valve type arrester, Surge Absorber	

Signature of the Faculty

Signature of the H.O.D