(2 (3 Q 1.	1) Question 1 is compulsory 2) Solve any three questions from remaining five questions. 3) Figures to the right indicate full marks. Answer the following questions.	
(2 (3 Q 1.	2) Solve any three questions from remaining five questions. 3) Figures to the right indicate full marks.	
Q 1.	3) Figures to the right indicate full marks.	
Q 1.		10 N
	Answer the following questions.	5.4
	Allower the following duestions.	20
	A) Draw single line diagram and show all substation devices.	3 4 0
-	B) Write advantages and disadvantages of static relay.	
(C) What do you mean by resistance switching	\$ 60 C
	D) What is the use of instrument transformer in power system	35
	Explain protection provided for Radial, Ring Main, and parallel Feeder of transmission Line	10
Q 2 b)	Write a short note on different types of fuses	10
_	What do you understand by single phasing in induction motor. How motor is protected from single Phasing?	10
	Explain with the help of neat sketch construction and working of SF6 circuit breaker	10
Q 4 a) 1	Explain the high resistance and low resistance method of arc quenching.	10
	Explain construction, working principle of an induction disc type relay with neat sketch	10
	Explain REF protection for alternator. How 100% winding is protected in an alternator	10
Q 5 b)	What are the desirable qualities of protective relaying	10
Q 6 a)	Differentiate between different types of distance relays.	10
Q 6 b) l	Explain biased differential protection for transformer protection in detail	10