

SGPD

Long Question

1. Explain HRC fuse ?
2. Explain HRC fuse with tripping device ?
3. Explain SF₆ ckt breaker ?
4. Explain induction type directional power relay.
5. Explain valve type lightning arrester.
6. Explain the advantages of static relay.
7. Explain basic operation of Induction relay.
8. Explain plain break oil ckt breaker.
9. Explain Min^m oil ckt breaker.
10. Explain differential protection of alternators.
11. Explain vacuum ckt breaker.
12. Methods of Arc extinction.
13. Problem from fault calculation.
14. Problem from ckt breaker.
15. Explain Buchholz relay.
16. Differentiate b/w fuse & ckt breaker.
17. Explain Merz-Price protection for feeders.
18. Explain current differential Relay.
19. Define & explain PSM, TSM.
20. Write essential features of switch gear.
21. Explain Restriking & Recovery voltage.
22. Write short notes on Arc phenomenon.

23. Draw wave form of current & explain briefly cut-off current, pre-arcing time, Total operating time.
24. Explain IDMT Relay.
25. Explain Horn gap lighting Arrester.
26. What is Reactor?
27. Explain Air blast ckt breaker.
28. Define Prospective current & cut-off current.
29. Explain Surge Absorber?
30. Explain different types of Reactors.
31. Explain high Resistance method of Arc extinction.
32. Explain induction type differential overcurrent relay.
33. Explain earth fault protection for transformer.
34. What are the protection against lightning taken in electrical power system?
35. Explain rating of ckt breaker.
36. Write neat sketch explain about how lightning discharge occurs?
37. Explain essential qualities of good Protective system.
38. Describe with neat diagram protection of transformer by differential Relay.