

GUESS QUESTION 2023
ENERGY CONSERVATION AND AUDIT

UNIT-1

1. Discuss the possible faults on overhead lines.
2. What are the requirements of protection on lines?
3. Explain the various methods of connecting short-circuit current limiting reactors in the power system.
4. Convert 2Ω into per unit. Assume base kV and base kVA as 11 and 1000 respectively.

UNIT-2

1. What is an Isolator? Name the different types of Isolator. Explain any one of them.
2. Describe the construction, working and application of an SF6 circuit breaker.
3. Explain the construction and operating mechanism of vacuum circuit breaker. What is its application?
4. Describe the construction, working and application of air circuit breaker.
5. Discuss the construction and working of a high rupturing capacity(HRC) cartridge fuse.

UNIT-3

1. Describe the construction, working and application of attracted armature type relay
2. Describe the construction, working and application Static relay.
3. Discuss microprocessor based over current relay.
4. Discuss the construction and working of directional relay.

UNIT-4

1. Describe with neat diagram the construction and working of Buchholz relay. What are its limitation.
2. Describe the Merz- Price circulating current system for the protection of transformers.
3. Describe the Merz- Price circulating current system for the protection of alternator
4. Explain the reverse power protection of an alternator.

UNIT-5

1. How to protect a motor from overload?
2. Describe the differential pilot wire method of protection of feeders.
3. Explain the method of busbar protection.