Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.
Due on 2020-09-30, 22:59 IST

1) Selectivity, which is one of the requirements of protection system, is also known as
   - Dependability
   - Reliability Coordination
   - Security
   - None of these
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   All of the above

2) Electromechanical relays are still used by the utilities due to their
   - ruggedness and withstanding capacity of voltage spikes
   - lower cost
   - simple construction
   - all of the above
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   All of the above

3) The cost of the protection system should not exceed
   - 5% of the cost of the equipment to be protected
   - 10% of the cost of the equipment to be protected
   - 15% of the cost of the equipment to be protected
   - 20% of the cost of the equipment to be protected
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   5% of the cost of the equipment to be protected

4) A thermal relay is used for the protection against
   - Overheat
   - Short circuit
   - Overvoltage
   - All of the above
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   Overheat

5) The VA setting of a CT is decided by considering
   - Resistance of a relay
   - Reactance of a relay
   - Burden of a relay
   - None of the above
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   Burden of a relay

6) The operating time of modern digital relay is of the order of
   - 0 - 10 ms
   - 10 - 30 ms
   - 100 - 200 ms
   - None of these
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   0 - 10 ms

7) The torque produced in shaded pole structure induction type relay is
   - Proportional to the current
   - Proportional to the square of the current
   - Inversely proportional to the current
   - Irrelevant to the square of the current
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   Proportional to the square of the current

8) Least number of faults are generally reported for
   - Transmission lines
   - Cables
   - Switchgears
   - Transformers
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   Cables

9) The purpose of backup protection is
   - To increase the speed
   - To increase the drift
   - To leave a blank spot
   - To guard against failure of primary
   No, the answer is incorrect.
   Scene: 0
   Accepted answers:
   To guard against failure of primary

10) The protective relay is provided to
    1. Provide additional safety by limiting arc current during circuit breaker operation
    2. Close the contacts when the actualizing quantity attains a certain predetermined value
        - Only 1
        - Only 2
        - Both 1 and 2
        - None of these
    No, the answer is incorrect.
    Scene: 0
    Accepted answers:
    Only 2