Unit 3 - Week 2

Assignment 2

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-09-30, 23:59 IST.

1) Limitation of the electro-mechanical relay is/are *1 point*

- moving parts and suffer from the problem of friction
- low torque
- high burden and high power consumption for auxiliary mechanisms
- all of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
all of the above

2) Characteristic of an overcurrent relay is always plotted between *1 point*

- current and time
- multiple of pickup current and time
- voltage and time
- none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
multiple of pickup current and time

3) A transmission line is protected by *1 point*

- inrush protection
- time graded overcurrent protection
- current graded over current protection
- time graded and current graded over current protection

No, the answer is incorrect.
Score: 0
Accepted Answers:
time graded and current graded over current protection

4) Which of the following is cheapest protection for overcurrent in low voltage system? *1 point*

- digital relay
- numerical relay
- rewireable fuse
- electro-mechanical relay

No, the answer is incorrect.
Score: 0
Accepted Answers:
rewireable fuse

5) Which of the following relay can not use in backup protection? *1 point*

- inverse time overcurrent relay
- definite minimum time relay
- instantaneous overcurrent relay
- none of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
instantaneous overcurrent relay

6) Relays for transmission line protection are *2 points*

- in three zones
- in two zones
- independent of zones
- none of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
in three zones

7) The multiple of pickup current (MP) is also known as plug setting multiplier (PSM). It defined as the ratio of _____referred to either the primary or secondary side of CT *2 points*

- fault current to CT current rating
- fault current to relay pickup current
- relay pickup current to CT current rating
- none of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
fault current to relay pickup current

8) Transient overreach phenomenon for an overcurrent relay increase if the decay of DC component of fault current is *2 points*

- constant
- fast
- slow
- none of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
slow

9) Which of the following relay experience the more transient overreach effect due to DC component of fault current? *2 points*

- inverse time overcurrent relay
- definite minimum time relay
- instantaneous overcurrent relay
- none of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
instantaneous overcurrent relay

10) Minimum coordination tome (MCT) between relays is decided by considering *2 points*

- errors in the relay alone
- operating time of breaker
- errors in the CTs and CVTs
- operating time of relay, circuit breaker, and errors in the CTs and CVTs

No, the answer is incorrect.
Score: 0
Accepted Answers:
operating time of relay, circuit breaker, and errors in the CTs and CVTs