

Unit 6 - Week 5

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

Week 4

Week 5

Carrier Aided Schemes for Transmission Lines-III

Carrier Aided Schemes for Transmission Lines-IV

Auto-reclosing and Synchronizing-I

Auto-reclosing and Synchronizing-II

Auto-reclosing and Synchronizing-III

Quiz : Assignment 5

Solution Assignment-5

Week 6

Week 7

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Assignment 5

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

Due on 2020-10-21, 23:59 IST.

- 1) Carrier blocking scheme use an additional time delay or coordination time to avoid maloperation 2 points
- during external fault
- during power swing
- due to transients
- during symmetrical fault

No, the answer is incorrect.
Score: 0

Accepted Answers:
during external fault

- 2) The main disadvantage of direct underreach transfer scheme is 2 points
- its higher cost
- its higher time of operation
- its mal-operation due to noise by switching
- its incapability for simultaneous tripping of both end relay

No, the answer is incorrect.
Score: 0

Accepted Answers:
its mal-operation due to noise by switching

- 3) Direct underreach transfer tripping scheme is not suitable for 2 points
- single-phase auto-reclosing
- three-phase auto-reclosing
- single-shot auto-reclosing
- multi-shot auto-reclosing

No, the answer is incorrect.
Score: 0

Accepted Answers:
single-phase auto-reclosing

- 4) Number of pilot wires required for protecting 3-phase transmission lines 1 point
- 4
- 3
- 2
- 1

No, the answer is incorrect.
Score: 0

Accepted Answers:
2

- 5) Wave trap is used to trap waves of 1 point
- power frequency
- higher frequencies
- only specific high-frequency
- low frequencies

No, the answer is incorrect.
Score: 0

Accepted Answers:
higher frequencies

- 6) Operating time of Permissive under-reach transfer trip scheme is ____ compared to direct under-reach transfer trip scheme 2 points
- low
- high
- depends on the fault type
- depends on the location of fault

No, the answer is incorrect.
Score: 0

Accepted Answers:
high

- 7) For EHV/UHV lines protected by distance relays, reclosing relay is activated 2 points
- only for fault in first zone
- only for fault in second zone
- for fault in first and second zone
- for fault in second and third zone

No, the answer is incorrect.
Score: 0

Accepted Answers:
only for fault in first zone

- 8) Dead time of auto-reclosing must be always _____ dead time of circuit breaker 1 point
- greater than
- lesser than
- same as
- depends on the system configuration

No, the answer is incorrect.
Score: 0

Accepted Answers:
greater than

- 9) The role of synchronism check relay comes in picture during the 1 point
- closing operation of auto-recloser
- opening operation of auto-recloser
- during transformer energization
- all of above

No, the answer is incorrect.
Score: 0

Accepted Answers:
closing operation of auto-recloser

- 10) Synchronism check relay _____ circuit breaker contacts during _____ of auto-recloser 1 point
- ensures the minimum voltage across, close operation
- ensures zero current through, close operation
- ensures the minimum voltage across, open operation
- ensures zero current through, open operation

No, the answer is incorrect.
Score: 0

Accepted Answers:
ensures the minimum voltage across, close operation