

Unit 6 - Week 5

Course outline

How to access the portal

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Week 2

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Week 5

Smart Grid Protection-III

Smart Grid Protection-Iv

Modelling of Storage Devices

Modelling of DC Smart Grid Components

Operation and Control of AC Microgrid-I

Quiz : Assignment 5

Solutions for Assignment - 5

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WEEKLY FEEDBACK

Assignment 5

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

Due on 2019-09-04, 23:59 IST.

1) What is the CTI of overcurrent relays in a distribution network?

1 point

- 0.8-1.0 sec
 0.2-0.5 sec
 1.0-3.0 sec
 0.5-1.0 sec

No, the answer is incorrect.
Score: 0

Accepted Answers:
0.2-0.5 sec

2) How time of operation (top) and TMS of IDMT overcurrent relay are related?

1 point

- top directly proportional to TMS
 top inversely proportional to TMS
 top is independent of TMS
 None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
top directly proportional to TMS

3) The polarising quantity in the superimposed positive sequence method of fault direction detection is

1 point

- Voltage
 Fault current
 Pre-fault Current
 Superimposed fault current component

No, the answer is incorrect.
Score: 0

Accepted Answers:
Pre-fault Current

4) The sign of $\Delta\Phi$ for downstream forward and reverse fault will be ----- and ----- respectively.

1 point

- Negative and Positive
 Positive and Negative
 Positive and Positive
 None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Positive and Negative

5) Which of the following batteries is suitable for high current drain applications.

1 point

- Lead acid batteries
 Nickle cadmium batteries
 sodium Sulphur
 Nickle Metal hydride

No, the answer is incorrect.
Score: 0

Accepted Answers:
Nickle Metal hydride

6) Which of the following is the IEEE Recommended Practice for the Design of DC Auxiliary Power Systems for Generating Stations.

1 point

- IEEE P1660TMD9, June 2008
 IEEE Std 535TM-2006
 IEEE Std 946TM-2004
 IEEE Std 627TM-1980 (Reaff 1997)

No, the answer is incorrect.
Score: 0

Accepted Answers:
IEEE Std 946TM-2004

7) Which of the following device do not operate on DC platform

1 point

- LED bulbs
 Mobile phones
 Induction motor
 Lap top batteries

No, the answer is incorrect.
Score: 0

Accepted Answers:
Induction motor

8) The operating voltage level of the MVDC is

1 point

- 48V-600V
 11kV-33kV
 More than 33kV
 More than 500kV

No, the answer is incorrect.
Score: 0

Accepted Answers:
11kV-33kV

9) The following type of inverters may not be suitable for grid connected mode

1 point

- Grid feeding converters
 Grid forming converters
 Grid supporting converters
 None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Grid forming converters

10)Which of the following is not the microgrid ancillary service during the grid connected mode

1 point

- Frequency control support
 Congestion management
 Improving of power quality
 Black start

No, the answer is incorrect.
Score: 0

Accepted Answers:
Black start