WEEK 5

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

Due on 2019-03-06, 23:59 IST.

1) The capacity of a single 765kV substation capacity should not exceed

- 2500MVA 1 point
- 1000MVA
- 2000MVA
- 765MVA

No, the answer is incorrect.
Score: 0
Accepted Answers:
2500MVA

2) The short circuit levels specified for 400kV system are

- 30kA
- 40kA
- 100kA
- 25kA

No, the answer is incorrect.
Score: 0
Accepted Answers:
40kA

3) In comparison to Air insulated substation Gas Insulated substation are more advantageous due to

- Higher cost, Reliability, More Corona & EMC 1 point
- Compactness, No maintenance, Issues with Corona & EMC
Compactness, Reliability, low Corona & EMC

4) Major factors influencing the Selection of busbar scheme in a substation design are.

- Conductor type & size, reliability, operational flexibility etc
- Space Availability, Cost, reliability, Rating of the conductor etc
- System safety, reliability, operational flexibility etc
- Busbar size, reliability, operational flexibility etc

No, the answer is incorrect.
Score: 0
Accepted Answers:
System safety, reliability, operational flexibility etc

5) Purpose of Residual voltage transformer or Neutral current transformer

- Detect neutral displacement due to unbalance caused by capacitor banks
- To improve the power factor of the system
- To improve the compensation for base and peak load conditions
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Detect neutral displacement due to unbalance caused by capacitor banks

6) To limit the inrush current surges

- Damping Resistors are used
- Damping reactors are connected in series with capacitors
- Damping resistors and reactors are used in parallel
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Damping reactors are connected in series with capacitors

7) FACTS technology is adopted to

- Enhance power transmission capability of existing transmission system
- Boost power generation capability
- For better control in increasing the generation capability
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Enhance power transmission capability of existing transmission system

8) Transient recovery voltage is

- that appears across the terminals after the current interruption
- that appears across the terminals after the lightning strikes

No, the answer is incorrect.
Score: 0
Accepted Answers:
That appears across the terminals after the lightning strikes
9) Standard test waveforms for transients are classified as

- Oscillatory and PF overvoltages
- Slow front, Fast front & very fast front
- PF, LI, SI over voltages
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
that appears across the terminals after the current interruption

10) Lightning arrester plays a major role in control and:

- Protection for Substation Building
- Protection for Oscillatory voltages
- Protection for Over Currents
- Protection for Over voltages

No, the answer is incorrect.
Score: 0
Accepted Answers:
Protection for Over voltages