Unit 1 - How to access the portal

Week 0 Assessment

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2019-02-04, 23:59 IST.

1) The longest transmission line being established in India from Arunachal Pradesh to Agra is:

- 800kV HVAC
- 1200kV HVAC
- 800kV HVDC
- 500kV HVDC

No, the answer is incorrect.
Score: 0
Accepted Answers: 800kV HVDC

2) The power transmission capability of 1200 KV line is more than ...... the power transmitted by 400 KV

- Four Times
- six times
- ten times
- eight times

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

3) Various Overvoltages in Power System are

- Temporary, Switching and Lightning Overvoltages
4) The front and tail of a lightning impulse waveform is defined as:

- 1.52/75 micro-seconds
- 1.5/55 micro-seconds
- 1.2/50 micro-seconds
- 1.2/250 micro-seconds

No, the answer is incorrect.
Score: 0

Accepted Answers:
- 1.2/50 micro-seconds

5) Important factors responsible for the design of 400 KV and above systems:

- Pollution and Switching Surges
- Corona and Switching Surges
- Corona and Lightning Surges
- Lightning and Switching Surges

No, the answer is incorrect.
Score: 0

Accepted Answers:
- Pollution and Switching Surges

6) Dry Arcing distance is:

- Maximum distance between surrounding medium and end electrodes
- Shortest distance between surrounding medium and terminal electrodes
- Distance between ground and high voltage electrodes
- Maximum distance between surrounding medium and terminal electrodes

No, the answer is incorrect.
Score: 0

Accepted Answers:
- Shortest distance between surrounding medium and terminal electrodes

7) Leakage distance is defined as:

- Distances measured between end conductive parts
- Sum of shortest distances measured along the insulating surface between end conductive parts
- Multiplication of distances along the insulating surface and conductive parts
- Total distances measured along insulating surfaces

No, the answer is incorrect.
Score: 0

Accepted Answers:
- Sum of shortest distances measured along the insulating surface between end conductive parts

8) Some issues with ceramic/porcelain insulators include:

- Flashover, failures, brittle, erosion, corrosion etc.
- Punctures, cement growth, UV, corrosion etc.
9) Issues with polymeric insulators

- Flashover, End fittings, whether, corrosion etc.
- Flashover, punctures, cement growth, erosion, corrosion etc.

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**
- Flashover, punctures, cement growth, erosion, corrosion etc.

10) Composition of alumina content for Porcelain disc insulator varies between

- 20% for AC and 40% for DC
- 10% for AC and 30% for DC
- 25% for AC and 25% for DC
- 50% for AC and 50% for DC

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**
- 20% for AC and 40% for DC