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Courses » Advances in UHV Transmission and Distribution

Announcements **Course** Ask a Question Progress FAQ



# Unit 1 - How to access the portal

Register for Certification exam

## Course outline

### How to access the portal

- How to access the home page?
- How to access the course page?
- How to access the MCQ, MSQ and Programming assignments?
- Quiz : Week 0 Assessment

Module-1 : Week-1

Module-2 : Week-2

Module-3 : Week-3

Module-4 : Week-4

Module-5 : Week-5

Module-6 :

## 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: **1 point**

- 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 **1 point**

- 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 **1 point**

- Temporary, Switching and Lightning Overvoltages

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**Accepted Answers:**

*Temporary, Switching and Lightning Overvoltages*

4) The front and tail of a lightning impulse waveform is defined as **1 point**

- 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 **1 point**

- 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 **1 point**

- 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 **1 point**

- 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 **1 point**

- Flashover, failures, brittle, erosion, corrosion etc.
- Punctures, cement growth, UV, corrosion etc.



- 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.*

9) Issues with polymeric insulators

1 point

- surface flashover, internal flashover, contamination, brittle fracture
- Surface degradation,internal degradation,contamination, brittle fracture
- degradation, corona, brittle fracture, ion-migration
- surface degradation, corona, contamination, breakdown

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Surface degradation,internal degradation,contamination, brittle fracture*

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

1 point

- 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*



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