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Courses » Advances in UHV Transmission and Distribution

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# Unit 7 - Module-6 : Week-6

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## Course outline

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- Lecture-26 Preventive maintenance of Substation
- Lecture-27 Electric and magnetic fields, mitigations techniques
- Lecture-28 Importance of Grounding,

## WEEK 6

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. **Due on 2019-03-13, 23:59 IST.**

1) Phase to ground and Phase to phase clearances are estimated based on **1 point**

- Lightning and switching surges
- Lightning and Pollution conditions
- Power frequency and pollution
- switching and polluted condition

**No, the answer is incorrect.**  
**Score: 0**

**Accepted Answers:**  
*Lightning and switching surges*

2) The corona performance is best in case of **1 point**

- Single conductor configuration
- Octagonal configuration
- Twin Conductor configuration
- Quadruple configuration

**No, the answer is incorrect.**  
**Score: 0**

**Accepted Answers:**  
*Octagonal configuration*

3) Shunt capacitors supply **1 point**

- Active power at the bus to which they are connected
- Apparent power at the bus to which they are connected
- Reactive power at the bus to which they are connected

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● Lecture-29  
Introduction to  
the use of Fiber  
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● Lecture-30  
Introduction to  
communication  
and SCADA

○ Quiz : WEEK 6

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4) When capacitor bank is switched on there is transient due to

1 point

- Voltage surge of power frequency
- Current surge of power frequency
- Overvoltage and over currents
- Current surge of high frequency

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Current surge of high frequency*

5) To limit inrush currents

1 point

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Damping reactors are connected in series with capacitors*

6) The Lightning and switching impulse values adopted for 1200kV are

1 point

- 1550kV and 2100 kV
- 1800kV and 2400 kV
- 1050kV and 1200kV
- 980 kV and 1200kV

No, the answer is incorrect.

Score: 0

Accepted Answers:

*1800kV and 2400 kV*

7) Electrostatic generators are used to generate

1 point

- High AC voltages
- High DC voltages
- Impulse and DC Voltages
- Power frequency voltages

No, the answer is incorrect.

Score: 0

Accepted Answers:

*High DC voltages*

8) The excitation winding of a cascade transformer first stage has

1 point

- Half the number of turns as primary winding
- Same number of turns as secondary winding
- Same number of turns as primary winding
- More number of turns than primary winding

No, the answer is incorrect.

Score: 0



**Accepted Answers:***Same number of turns as primary winding*

9) Multiplier circuits are used to generate

**1 point**

- High DC Currents
- Low DC voltages
- High AC/DC Voltages
- High DC Voltages

**No, the answer is incorrect.****Score: 0****Accepted Answers:***High DC Voltages*

10) Sphere gaps are used for measurement of :

**1 point**

- Power frequency and Impulse voltages
- DC and AC voltages and currents
- AC, DC and Impulse voltages
- Impulse voltages and Impulse currents

**No, the answer is incorrect.****Score: 0****Accepted Answers:***AC, DC and Impulse voltages*[Previous Page](#)[End](#)