

**KING FAHD UNIVERSITY OF PETROLEUM & MINERALS**  
**ELECTRICAL ENGINEERING DEPARTMENT**

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**EE-465**

**Key Solution**

Quiz # 5      Serial #                                  Name:                                  I.D.#

1) A terminal tower is the only type of overhead power line that can make transitions to underground cable. (1 Marks)

- a. True
- b.  False

2) Wood pole can be used in distribution and high voltage level systems. (1 Marks)

- a.  True
- b. False

3) Pin insulator can be mounted on supporting structure horizontally and vertically. (1 Mark)

- a. True
- b.  False

4) The voltage distribution across a string of identical insulators is uniform. (1 Marks)

- a. True
- b.  False

5) In power cables, the cross-sectional area of AC-cable is higher than DC-cable for the same voltage-level. (1 Marks)

- a.  True
- b. False

6) The deeper the depth of the buried cable the lower its voltage rating. (1 Marks)

- a. True
- b.  False

7) Derating factor decrease the current carrying capacity of power cables. (1 Marks)

a.  True

b.  False

8) Spiraling is a common factor in calculating all power-cable's parameters. (1 Marks)

a.  True

b.  False

9) Bipolar HVDC lines can be designed to operate as monopolar lines, and vice versa monopolar HVDC lines can be designed to operate as bipolar lines. (1 Marks)

a.  True

b.  False

10) Primary and secondary distribution feeders can be connected to large customers. (1 Marks)

a.  True

b.  False