

Electrical Engineering Quiz 004 (Mixed)

Quiz Instructions

- Before attempting, carefully read the question text.
- Then choose the correct answer.
- Click on "**Submit**" to confirm your answer.
- Use the **Question List** in the upper left corner to jump to a certain question.

1. In a hysteresis motor, the rotor must have

- A) retentivity
- B) resistivity
- C) susceptibility
- D) None of these

2. In cables, the thickness of the layer of insulation on the conductor depends upon

- A) current carrying capacity
- B) voltage
- C) power factor
- D) reactive power

3. If the centrifugal switch does not open at 70 to 80 percent of synchronous speed of motor, it would result in

- A) damage to the starting winding
- B) damage to the centrifugal switch
- C) overloading of running winding
- D) none of these

4. If a fixed amount of power is to be transmitted over a certain length with fixed power loss, then_____.

- A) the weight of the conductor required will be proportional to the voltage
- B) the weight of the conductor required will be inversely proportional to the voltage and that of power factor of the load
- C) the weight of the conductor required will be inversely proportional to the square of the voltage and that of power factor of the load
- D) the weight of the conductor will be proportional to the square of the voltage and directly proportional to the power factor of the load

5. Starting winding of a single phase motor of a refrigerator is disconnected from the circuit by means of a

- A) magnetic relay
- B) thermal relay

- C) centrifugal switch
- D) none of these

6. A hysteresis motor

- A) is not a self-starting motor
- B) is a constant speed motor
- C) needs dc excitation
- D) can not be run in reverse speed

7. The motor used on small lathes is usually

- A) universal motor
- B) D.C. shunt motor
- C) single-phase capacitor run motor
- D) 3-phase synchronous motor

8. Which of the following is a static exciter?

- A) DC separately excited generator
- B) Amplidyne
- C) metadyne
- D) Rectifier

9. In a split phase motor

- A) the starting winding is connected through a centrifugal switch
- B) the running winding is connected through a centrifugal switch
- C) both starting and running windings are connected through a centrifugal switch
- D) centrifugal switch is used to control supply voltage

10. Under no load conditions the current in a transmission line is due to

- A) corona effect
- B) capacitance of the line
- C) back low from earth
- D) Spinning reserve

Answer Keys

Question	Answer
1	A
2	B
3	A
4	C
5	A

Question	Answer
6	B
7	C
8	D
9	A
10	B