

QUIZ – ANSWER KEY

QUIZ NO: 69

TOPIC: ELECTRICAL ENGINEERING

DATE: 21/04/2022

1. If dielectric constant of a capacitor is decreased

- [A] its capacitance increases
- [B] its capacitance decreases
- [C] its capacitance remains the same
- [D] infinite capacitance

Answer: B

2. The direction of induced current in a coil is found by

- [A] Lenz's Law
- [B] Kirchoff's Law
- [C] Flemings Left Hand Rule
- [D] Faradays Law

Answer: A

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3. For a conductor, the resistivity increases with

- [A] Temperature
- [B] Pressure
- [C] Conductance
- [D] None of the above

Answer: A

4. A current transformer is usually a transformer

- [A] Shell type
- [B] Step-down
- [C] Step-up
- [D] Isolation

Answer: C

5. Transmission efficiency increases as

- [A] Voltage decreases but power factor increases
- [B] Voltage increases and power factor decreases
- [C] Voltage and power factor both decreases
- [D] Voltage and power factor both increases

Answer: D

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6. If the pole flux of a dc motor approaches zero, its speed will

- [A] Approach zero
- [B] Approach infinity
- [C] Not change
- [D] Approach a stable value between zero and infinity

Answer: B

7. By increasing potential of a conductor

- [A] Its potential gradient increases
- [B] Insulation required is less
- [C] Corona loss is reduced
- [D] Potential between conductor and ground decreases

Answer: A

8. Which of the following system is preferred for good efficiency and high economy in distribution system?

- [A] Single phase system
- [B] 2 phase 3 wire system
- [C] 3 phase 3 wire system
- [D] 3 phase 4 wire system

Answer: C

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9. When a single turn coil rotates in a uniform magnetic field, at uniform speed the induced emf will be

- [A] Alternating
- [B] Steady
- [C] Pulsating
- [D] None of these

Answer: A

10. Schottky diode essentially consists of

- [A] P-N junction
- [B] Metal-to-semiconductor junction
- [C] P and N regions separated by an intrinsic region
- [D] P-N junction with very heavy doping

Answer: B

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