

QUIZ – ANSWER KEY

QUIZ 58

TOPIC: ELECTRICAL ENGINEERING

1. What will happen if the shunt field suddenly opens, in a differential compound DC motor?
- [A] Motor will first stop and then run in the opposite direction as series motor
 - [B] Motor will not work and come to stop
 - [C] Motor will work as series motor and run at infinitely high speed
 - [D] Motor will work as series motor and run at slow speed

Answer: A

2. DC resistance of diode is measured at
- [A] Knee current
 - [B] Cut-in voltage
 - [C] Q-point
 - [D] Reverse breakdown point

Answer: C

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3. What is the role of emitter bypass capacitance in the transistor amplifying circuit?

- [A] To prevent damage of emitter resistance from variation in voltage
- [B] To prevent emitter from overvoltage
- [C] To increase gain
- [D] To increase the load to the transistor circuit

Answer: C

4. When a dielectric loses its dielectric property, the phenomenon is called

- [A] Dielectric loss
- [B] Dielectric breakdown
- [C] Polarisation
- [D] Magnetization

Answer: B

5. What is the effect of the ammeter range on the shunt resistance?

- [A] No effect
- [B] varies by a factor of multiplying factor
- [C] varies by a factor of the resistance
- [D] varies by a factor of unity

Answer: B

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6. If the temperature is increased in semi-conductors such that the resistance incessantly falls, it is termed as...

- [A] Avalanche breakdown
- [B] Zener breakdown
- [C] Thermal runaway
- [D] Avalanche runaway

Answer: C

7. The control system in which the output quantity has no effect upon the input quantity is termed as

- [A] Closed-loop system
- [B] Pneumatic system
- [C] Industrial system
- [D] Open-loop system

Answer: D

8. A large series motor is never started without some mechanical load on it because otherwise, it will

- [A] Draw too much current
- [B] Develop excessive speed and damage itself
- [C] Produce vicious sparking at brushes
- [D] Open fuse or circuit breaker

Answer: B

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9. The storage battery generally used in an electric power station is

- [A] Nickel-cadmium battery
- [B] Zinc carbon battery
- [C] Lead-acid battery
- [D] None of the above

Answer: C

10. A 5 A ammeter can measure a current of upto 1000 A using a

- [A] 5/1000A C.T.
- [B] 1000A C.T.
- [C] 1000/5A C.T.
- [D] 5A C.T.

Answer: C

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