

Duration: 60 Mins**Total Marks: 22****Q.ID: ITISKILL5976AK**

1. Which material is used for making zener diode?

- A) Platinum B) Lead
C) Silicon D) Titanium

Answer: C) Silicon

2. What is the reverse break down voltage range of zener diode?

- A) 0.5 to 1 volt B) 0.1 to 0.5 volt
C) 3 to 18 volt D) 1 to 3 volt

Answer: C) 3 to 18 volt

3. What is the unit of capacitance used with single phase induction motors in domestic RAC system?

- A) Kilo ohm B) Microfarad
C) Milli ampere D) Milli henry

Answer: B) Microfarad

4. How the ability of a conductor is called if it induces the voltage in the same conductor?

- A) Self inductance B) Capacitance
C) Conductance D) Resistance

Answer: A) Self inductance

5. Which semiconductor material is used to make diodes?

- A) Steel B) Aluminium
C) Silicon D) Copper

Answer: C) Silicon

6. What is the method of converting AC to DC power supply with two diodes and a step down transformer?

- A) Medium wave rectifier B) Bridge rectifier
C) Full wave rectifier D) Half wave rectifier

Answer: C) Full wave rectifier

7. Which type of diode is used for communication circuits?

- A) Signal diode B) Zener diode
C) Rectifier diode D) Switching diode

Answer: A) Signal diode

8. What is the equivalent of one microfarad in farad?

- A) 10⁻⁹ farad B) 10⁻¹² farad
C) 10⁻³ farad D) 10⁻⁶ farad

Answer: A) 10⁻⁹ farad

9. How many terminals are there in a Silicon Controlled Rectifier (SCR)?

- A) Four B) Three
C) One D) Two

Answer: B) Three

10. What are the active components used in electronic circuits?

- A) Semi conductors and transformers B) Transformers and inductors
C) Resistors, capacitors and inductors D) Transistors, diodes and SCRs

Answer: D) Transistors, diodes and SCRs

11. What are the passive components used in electronic circuits?

- A) Semi conductors and transistors B) Resistors, capacitors and inductors
C) Transformers and semiconductors D) Transistors, diodes and SCRs

Answer: B) Resistors, capacitors and inductors

12. Which electronic component is the voltage regulator?

- A) Transistor B) Zener diode
C) Diac D) Triac

Answer: B) Zener diode

13. What is the unit of inductance?

- A) Henry B) Ampere
C) Farad D) Ohm

Answer: A) Henry

14. What is the name of electronic circuit?

- A) Quarter wave rectifier B) Full wave rectifier
C) Half wave rectifier D) Bridge rectifier

Answer: D) Bridge rectifier

15. What is the process involved for converting AC to DC power supply?

- A) Inversion B) Convection
C) Regulation D) Rectification

Answer: D) Rectification

16. Which device maintains a constant DC output?

- A) Load regulators B) Voltage regulators
C) Current limiters D) Rectifier circuits

Answer: B) Voltage regulators

17. How many diodes are required for making a bridge rectifier circuit?

- A) Three B) Four
C) Two D) One

Answer: B) Four

18. Which material is used for making ICs?

- A) Mild steel B) Silicon
C) Carbon D) Platinum

Answer: B) Silicon

19. Which component is used as a switching device in electronic circuit?

- A) Capacitor B) Zener diode
C) SCR D) Diode

Answer: C) SCR

20. Which application uses the digital ICs?

- A) Tuned circuits B) Amplifier
C) Logic gates D) Voltage regulator

Answer: C) Logic gates

21. What is the name of active component used in electronic circuit?

- A) Transistor B) SCR
C) TRIAC D) DIAC

Answer: A) Transistor

22. How the maximum reverse voltage across the diode is termed in reverse biased condition?

- A) Ripple frequency B) Peak rectification voltage
C) Peak inverse voltage D) Diode voltage

Answer: C) Peak inverse voltage