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Score: 8/22 (36.36%)

Code: 1699

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

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

2. What is the unit of inductance?

- A) Ohm
 B) **Henry (Correct)**
 C) Farad
 D) Ampere

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

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

4. Which material is used for making ICs?

- A) Silicon**
 B) Carbon
 C) Platinum (Incorrect)
 D) Mild steel

5. What is the name of electronic circuit?

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

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

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

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

- A) Self inductance**
 B) Conductance (Incorrect)
 C) Capacitance
 D) Resistance

8. Which semiconductor material is used to make diodes?

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

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

- A) Signal diode**
 B) Zener diode
 C) Rectifier diode
 D) Switching diode (Incorrect)

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

- A) SCR**
 B) Diode
 C) Capacitor
 D) Zener diode (Incorrect)

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

- A) Transistor**
 B) TRIAC (Incorrect)
 C) DIAC
 D) SCR

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

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

13. Which device maintains a constant DC output?

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

14. Which electronic component is the voltage regulator?

- A) Zener diode (Correct)**
 B) Transistor
 C) Triac
 D) Diac

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

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

16. Which material is used for making zener diode?

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

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

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

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

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

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

- A) Bridge rectifier (Incorrect) **B) Full wave rectifier**
C) Half wave rectifier D) Medium wave rectifier
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20. Which application uses the digital ICs?

- A) Amplifier **B) Logic gates**
C) Tuned circuits (Incorrect) D) Voltage regulator
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21. What is the process involved for converting AC to DC power supply?

- A) Inversion B) Regulation
C) Convection **D) Rectification (Correct)**
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22. How the maximum reverse voltage across the diode is termed in reverse biased condition?

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