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Score: 17/22 (77.27%)

Code: 1763

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 |
| C) Four (Correct) | D) Three |

4. Which material is used for making ICs?

- | | |
|-----------------------------|---------------|
| A) Silicon (Correct) | B) Carbon |
| C) Platinum | D) Mild steel |

5. What is the name of electronic circuit?

- | | |
|---|---------------------------|
| A) Bridge rectifier | B) Half wave rectifier |
| <u>C) Full wave rectifier (Incorrect)</u> | D) Quarter wave rectifier |

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

- | | |
|----------------|--------------------------------|
| A) Kilo ohm | B) Microfarad (Correct) |
| 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 (Correct) | B) Conductance |
| 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 (Correct) | B) Zener diode |
| C) Rectifier diode | D) Switching diode |

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

- | | |
|-------------------------|----------------|
| A) SCR (Correct) | B) Diode |
| C) Capacitor | D) Zener diode |

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

- | | |
|----------------------|---------------------------|
| A) Transistor | B) TRIAC |
| C) DIAC | <u>D) SCR (Incorrect)</u> |

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

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

13. Which device maintains a constant DC output?

- | | |
|---------------------|--|
| A) Load regulators | <u>B) Rectifier circuits (Incorrect)</u> |
| C) Current limiters | D) Voltage regulators |

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 |
| C) 3 to 18 volt (Correct) | D) 1 to 3 volt |

16. Which material is used for making zener diode?

- | | |
|-------------|-----------------------------|
| A) Lead | B) Silicon (Correct) |
| C) Titanium | D) Platinum |

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

- | | |
|----------------------------|-----------------|
| A) One | B) Two |
| <u>C) Four (Incorrect)</u> | D) Three |

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

- | | |
|---------------------------------|---|
| A) 10 ⁻³ farad | <u>B) 10⁻⁶ farad (Incorrect)</u> |
| C) 10⁻⁹ farad | D) 10 ⁻¹² farad |

19. What is the method of converting AC to DC

power supply with two diodes and a step down transformer?

A) Bridge rectifier

**B) Full wave rectifier
(Correct)**

C) Half wave rectifier

D) Medium wave rectifier

20. Which application uses the digital ICs?

A) Amplifier

B) Logic gates (Correct)

C) Tuned circuits

D) Voltage regulator

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

A) Inversion

B) Regulation

C) Convection

D) Rectification (Correct)

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
(Correct)**

D) Peak rectification voltage