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Silicon Controlled Rectifiers MCQ Test

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We have listed Below the **best Silicon Controlled Rectifiers MCQ Questions** that checks your basic knowledge of Silicon Controlled Rectifiers. This **Silicon Controlled Rectifiers MCQ Test** contains 25 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also download below the **Silicon Controlled Rectifiers MCQ PDF**.

Q1. An SCR has _____ pn junctions.

- A. Two
- **B. Three**
- C. Four
- D. None of the above

Q2. What is the full form of SCR?

- **A. Silicon Controlled Rectifiers**
- B. solar Controlled Rectifiers
- C. serial Controlled Rectifiers
- D. None of the above

Q3. An SCR has three terminals viz _____.

- A. Anode, cathode, grid
- **B. Cathode, anode, gate**
- C. Anode, cathode, drain
- D. None of the above

Q4. An SCR is made of _____.

- A. Germanium

- B. Carbon
- **C. Silicon**
- D. None of the above

Q5. What is Cathode?

- A. Electrical Device
- **B. Metallic Electrode**
- C. Tube
- D. None of above

Q6. An SCR is turned off by _____.

- A. Reducing gate voltage to zero
- **B. Reducing anode voltage to zero**
- C. Reverse biasing the gate
- D. None of the above

Q7. AC power in a load can be controlled by using _____.

- **A. two SCR's in parallel opposition**
- B. two SCR's in series
- C. three SCR's in series
- D. four SCR's in series

Q8. Why SCR is made up of silicon?

- A. silicon has large leakage current than germanium
- **B. silicon has small leakage current than germanium**
- C. silicon has small leakage voltage than germanium
- D. silicon has large leakage voltage than germanium

Q9. An SCR can be used _____.

- A. as static conductor
- B. for power control
- C. for speed control of dc shunt motor
- **D. All of the above**

Q10. In a silicon controlled rectifier, the load is connected _____.

- A. Across anode
- **B. In series with anode**
- C. Across cathode
- D. In series with cathode

Q11. How many number of PN junction in an SCR?

- A. Two
- **B. Three**
- C. Five
- D. Four

Q12. If firing angle in an SCR circuit is increased, than output _____.

- A. Remains the same
- B. Is increased
- **C. is decreased**
- D. None of the above

Q13. Is SCR can exercise control over Positive or negative half-cycles of a.c. supply ?

- **A. True**
- B. False

Q14. After firing an scr, the gate pulse is remove. The current in the scr will _____.

- **A. remain the same**
- B. Immediately fall to zero
- C. Rise up
- D. Rise a little and then fall to zero

Q15. Pulse gate triggering is achieved by means of the ____.

- A. An LC circuit
- **B. an UJT relaxation oscillator circuit**

- C. A diac-triac circuit
- D. A rheostatic arrangement

Q16. We can control a.c. power in a load by connecting _____.

- A. two SCRs in series
- B. two SCRs in parallel
- C. **two SCRs in parallel opposition**
- D. None of the above

Q17. Which of the following device has characteristic close to that of an ideal voltage source?

- A. **Zener diode**
- B. Vacuum diode
- C. Crystal diode
- D. All of the above

Q18. With gate open, the maximum anode current at which SCR is turned off from ON condition is called _____.

- A. breakdown voltage
- B. peak reverse voltage
- C. **holding current**
- D. latching current

Q19. Which one is types of the rectifiers?

- A. half wave
- B. full wave
- C. bridge
- D. **All of the above**

Q20. Define the disadvantages of rectifier?

- **A. Rectifiers cannot operate at high voltages.**
- B. Rectifiers can operate at high voltages.
- C. high voltages.
- D. None of the above

Q21. A silicon controlled rectifier SCR is a

- A. Unijunction device
- B. Device with four junction
- **C. Device with three junction**
- D. None of above

Q22. An SCR is sometimes called

- A. Diac
- B. Triac
- **C. Thyristor**
- D. None of above

Q23. An SCR behaves as a switch.

- **A. Mechanical**
- B. Bidirectional
- C. Unidirectional
- D. None of above

Q24. The control element of an SCR is

- **A. Gate**
- B. Anode
- C. Cathode
- D. None of above

Q25. An SCR is a triggered device.

- A. Current
- B. Voltage
- **C. Both Voltage & Current**

- **D.** None of above

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