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## Regulated DC Power Supply MCQ Test

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Below is the **Regulated DC Power Supply MCQ** test that checks your basic knowledge of Regulated DC Power Supply. This **Regulated DC Power Supply MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also take the Online Quiz from the **Take Regulated DC Power Supply Quiz** Button.

**Q1. A regulated DC power supply is also known as a \_\_\_\_.**

- **A. linear power supply**
- B. dual power supply
- C. hyper power supply
- D. None of the above

**Q2. The basic building blocks of a regulated DC power supply contains:**

- A. A step-down transformer
- B. A rectifier and A DC filter
- C. A regulator
- **D. All of the above**

**Q3. Which one of the following is the another name of Zener diode?**

- A. Voltage
- **B. Breakdown**
- C. Power
- D. Current

**Q4. Zener diode are generally made of \_\_\_\_.**

- A. Germanium

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

**Q5. When load current is zero, the Zener current will be \_\_\_\_.**

- A. Zero
- **B. Maximum**
- C. Minimum
- D. None of the above

**Q6. Which among the following are regarded as three-pin voltage regulator ICs?**

- A. Fixed voltage regulators
- B. Adjustable voltage regulators
- **C. both (A) and (B)**
- D. None of the above

**Q7. Voltage regulators normally use \_\_\_\_.**

- **A. Negative feedback**
- B. Positive feedback
- C. No feedback
- D. Phase limiting

**Q8. Which may be needed in a discrete voltage regulator to prevent Oscillations?**

- A. Negative feedback
- B. Current sensing
- C. Excessive load current
- **D. A capacitor**

**Q9. The output impedance of a voltage regulator is \_\_\_\_.**

- A. Very large
- **B. Very small**
- C. Equal to the load voltage divided by the load current
- D. Equal to the input voltage divided by the output current

**Q10. Simple current limiting produces too much heat in the Pass transistor.**

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

**Q11. What do you mean by the Zener impedance?**

- A. increasing series resistance
- B. decreasing series resistance
- **C. equivalent series resistance**
- D. None of the above

**Q12. This Zener diode maintains voltage constant across the load.**

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

**Q13. As the junction temperature increases, the voltage breakdown point for avalanche mechanism \_\_\_\_.**

- A. Remains the same
- B. Decrease
- **C. Increases**
- D. None of the above

**Q14. What are the dependent factors of the current in a Zener diode?**

- A. External resistance
- B. Power dissipation
- **C. Both A and B**
- D. None of the above

**Q15. What is the full form of SCR?**

- A. Simple Controlled Rectifiers
- **B. Silicon Controlled Rectifiers**
- C. Silicon Controlled Resistor

- D. None of the above

**Q16. Gate is the controlling element of SCR.**

- A. True
- B. False

**Q17. When SCR is OFF, the current in the circuit is \_\_\_\_.**

- A. small leakage current
- B. exactly zero
- C. large leakage current
- D. None of the above

**Q18. SCRs are unidirectional devices.**

- A. True
- B. False

**Q19. An SCR is a \_\_\_\_\_ triggered device.**

- A. Voltage
- B. Current
- C. Force
- D. None of the above

**Q20. Output of a phase splitter is \_\_\_\_.**

- A. a pair of sine waves of unequal amplitude
- B. a pair of sine waves of equal amplitudes
- C. a pair of sine waves of equal amplitudes and opposite phase
- D. a pair of sine waves of unequal amplitudes and opposite phase

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