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Rectifiers and Converters MCQ Test

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Below is the **Rectifiers and Converters MCQ** test that checks your basic knowledge of Rectifiers and Converters. This **Rectifiers and Converters 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 **Rectifiers and Converters Quiz** Button.

Q1. needs direct current.

- A. Relays
- B. Telephones
- C. Time switches
- **D. All of the above**

Q2. Which kind of devices cannot convey from dc to ac?

- A. Motor converter
- B. Motor generator
- **C. Mercury arc rectifier**
- D. None of the above

Q3. A rotary converter combines the function of

- A. An induction motor and a D.C. generator
- **B. A synchronous motor and a D.C. generator**
- C. Both A & B
- D. None of the above

Q4. What is approximately the efficiency of electrolytic rectifier?

- A. 40%

- **B. 60%**
- C. 70%
- D. 80%

Q5. mercury arc rectifier will deliver least undulating current.

- A. Single-phase
- B. Two-phase
- C. Three-phase
- **D. Six-phase**

Q6. A commutating rectifier consists of commutator driven by

- A. An induction motor
- **B. A synchronous motor**
- C. A D.C. shunt motor
- D. A D.C. series motor

Q7. The anode is usually made of in a mercury arc rectifier.

- A. Silver
- B. Copper
- **C. Tungsten**
- D. Graphite

Q8. Which kind of metals are generally manufactured by electrolysis process?

- A. Zinc
- B. Copper
- **C. Aluminium**
- D. None of the above

Q9. is usually used in large motor-generator sets.

- **A. Synchronous motor**
- B. Slip ring induction motor
- C. Squirrel cage induction motor
- D. None of the above

Q10. The positive ions are attracted towards in a mercury arc rectifier.

- A. Anode
- **B. Cathode**
- C. Shell bottom
- D. None of the above

Q11. The ignited or auxiliary anode in mercury arc rectifier is made of Boron carbide.

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

Q12. A rotary converter operates at a

- A. zero power factor
- B. low power factor
- **C. high power factor**
- D. None of the above

Q13. Mercury is used as in mercury arc rectifier.

- **A. A cathode**
- B. Ionization medium
- C. Conducting medium
- D. Electron accelerator

Q14. What is the average life of the glass bulb rectifier?

- A. 100 to 150 hours
- B. 1000 to 1500 hours
- **C. 10,000 to 15,000 hours**
- D. None of the above

Q15. Which of the following option is known as metal rectifier?

- A. Gas tube diode
- **B. Copper oxide rectifier**

- C. Selenium disc rectifier
- D. None of the above

Q16. What is a rotary converter?

- A. It is a passive device
- B. It is a linear device
- C. It is a bilateral device
- D. It is a non-linear device

Q17. A mercury arc rectifier works on the principle of ionization by collision.

- A. True
- B. False

Q18. Which of the following statement is incorrect?

- A. Copper oxide rectifier is a linear device
- B. Copper oxide rectifier has a low efficiency
- C. Copper oxide rectifier is not a perfect rectifier
- D. Copper oxide rectifier finds use in control circuits

Q19. has been used extensively in supplying direct current for electroplating.

- A. Selenium rectifiers
- B. Mercury arc rectifiers
- C. Mechanical rectifiers
- D. Copper oxide rectifiers

Q20. The voltage drop in arc primarily depends on

- A. Arc Length
- B. Purity of Mercury
- C. Arc Temperature
- D. None of the above

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