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Electric Circuits MCQ Test

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Below is the **Electric Circuits MCQ** test that checks your basic knowledge of Electric Circuits. This **Electric Circuits 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 **Electric Circuits Quiz** Button.

Q1. Which of the following symbol is used for representing the Independent sources?

- **A. Circle**
- B. Diamond
- C. Square
- D. Triangle

Q2. Which of the following is the opposing capacity of materials, against the current flow?

- A. Conductance
- B. Susceptance
- **C. Resistance**
- D. Inductance

Q3. are the basic laws for analyzing an electric circuit.

- A. Newtons laws
- B. Einstein's theory
- **C. Kirchoff's laws**
- D. Faradays laws

Q4. How many types are the dependent sources?

- A. 2
- **B. 4**

- C. 6
- D. 8

Q5. A supernode is situated between

- **A. Two essential nodes**
- B. Two reference nodes
- C. Essential node and neutral path
- D. Essential node and reference node

Q6. There are 13 branches in a complicated network and nearly 8 nodes. equations are required to solve the circuit in node-voltage method?

- A. 5
- B. 6
- **C. 7**
- D. 8

Q7. Mesh analysis is the suitable for

- A. Voltage sources
- **B. Current sources**
- C. Unilateral elements
- D. Complex elements d

Q8. Which of the following is the Source Transformation?

- A. Unique
- **B. Bilateral**
- C. Unilateral
- D. Complicated

Q9. Which of the following is equal to thevenin's voltage?

- **A. Open circuit voltage**
- B. Open circuit current
- C. Short circuit voltage
- D. Short circuit current

Q10. The input applied to an Inverting amplifier is -

- A. Equal to output
- B. Not equal to output
- **C. Equal to Inverted output**
- D. Output is equal to input

Q11. Network is designed with to obtain high efficiency.

- A. Low Q factor
- **B. High Q factor**
- C. Unity Q factor
- D. Zero Q factor

Q12. Which of the following is a component that is used to close or break a circuit?

- A. wire
- B. bulb
- **C. switch**
- D. All of the Above

Q13. A component which provides resistance is called

- A. circuit
- **B. resistor**
- C. cell
- D. fuse

Q14. Which of the following is the S.I. Unit of Electric Current?

- A. Watt
- B. Joules
- **C. Ampere**
- D. Volt

Q15. Which of the following option is used to control electric current in a circuit?

- A. insulator
- **B. resistor**
- C. conductor
- D. None of the above

Q16.is used to measure electric current?

- A. cell
- **B. ammeter**
- C. battery
- D. galvanometer

Q17. The symbol of Q refers to the

- **A. Quality factor**
- B. Resonance quotient
- C. Power quotient
- D. Qualification test

Q18. Which of the following is the other name of relative permittivity?

- A. Potential gradient
- B. Dielectric strength
- C. Breakdown voltage
- **D. Specific inductance capacity**

Q19. Which of the following is the specific resistance of a pure germanium?

- A. 55 Ω -m
- **B. 55 Ω -cm**
- C. 55 Ω -mm
- D. 55 k Ω -m

Q20. Which of the following is a tank circuit?

- A. Series LC circuit
- **B. Parallel LC circuit**
- C. A resonant circuit

- **D.** A non-resonant circuit

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