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Capacitors MCQ Test

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Below is the **Capacitors MCQ** test that checks your basic knowledge of Capacitors. This **Capacitors MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. apart from this, you can also download **Capacitors MCQ Pdf** completely free.

Q1. What is the main function of a capacitor?

- A. Dissipate energy
- B. Vary the resistance
- C. Store electrical energy
- D. Store magnetic energy

Q2. What does a capacitor stores?

- A. Heat energy
- B. Kinetic energy
- C. Potential energy
- D. Vibrational energy

Q3. The capacitor blocks the direct current after a long time.

- A. True
- B. False

Q4. is a passive device.

- A. Rectifier
- B. Capacitor
- C. Transistor
- D. Vacuum Tubes

Q5. Which capacitors will have the least variation?

- A. Paper capacitor
- B. Ceramic capacitor
- **C. Silver plated mica capacitor**
- D. None of the above

Q6. Which capacitors have a relatively shorter shelf life?

- A. Mica capacitor
- B. Paper capacitor
- C. Ceramic capacitor
- **D. Electrolytic capacitor**

Q7. Which of the following capacitor is preferred for the high-frequency circuit?

- A. Air capacitor
- **B. Mica capacitor**
- C. Electrolytic capacitor
- D. None of the above

Q8. capacitors will have the least value of breakdown voltage

- A. Paper
- B. Mica
- C. Ceramic
- **D. Electrolytic**

Q9. The electric charge is stored in in a capacitor.

- **A. Dielectric**
- B. Metal plates
- C. Electrolytic
- D. None of the above

Q10. What does a capacitor consist of?

- A. Two insulators only
- B. Two conductors only
- C. Two insulators separated by a conductor
- **D. Two conductors separated by an insulator**

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Q12. Which of the following field is associated with the capacitor?

- **A. Electric**
- B. Magnetic
- C. Both Electric & Magnetic
- D. None of the above

Q13. The Internal heating of a capacitor is usually attributed to

- A. Plate vibration
- B. Dielectric charge
- **C. Leakage resistance**
- D. Electron movement

Q14. Which of the following capacitors are used for audio frequency and radio frequency coupling and tuning?

- A. Air
- **B. Mica**
- C. Plastic film
- D. All of the above

Q15. Which kind of capacitors can be used only for DC?

- A. Air
- B. Paper

- C. Mica
- **D. Electrolytic**

Q16. Which kind of capacitors are used in transistors circuits?

- A. Air
- B. Paper
- **C. Ceramic**
- D. All of the above

Q17. What kind of bridge is used for the measurement of the value of the capacitance?

- A. Hay's bridge
- B. Wien's bridge
- **C. Schering bridge**
- D. Wheatstone bridge

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