

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) A capacitor \_\_\_\_\_. 1) \_\_\_\_\_
  - A) Stores electrons
  - B) Passes AC
  - C) Blocks DC
  - D) All of the above
  
- 2) Capacitance is governed by all of these EXCEPT \_\_\_\_\_. 2) \_\_\_\_\_
  - A) Surface area of the condenser plates
  - B) Space between condenser plates
  - C) Dielectric material used
  - D) Conductor diameter
  
- 3) What was the name of the first capacitance device? 3) \_\_\_\_\_
  - A) Leyden jar
  - B) Battery
  - C) Capacitor
  - D) None of these
  
- 4) Capacitors are often used as "suppression capacitors." What does a capacitor suppress? 4) \_\_\_\_\_
  - A) Excessive current
  - B) Voltage fluctuations
  - C) Resistance
  - D) Noise
  
- 5) Capacitors are commonly used as a \_\_\_\_\_. 5) \_\_\_\_\_
  - A) Voltage supply
  - B) Timer
  - C) Noise filter
  - D) All of the above
  
- 6) Capacitors are often used as voltage \_\_\_\_\_. 6) \_\_\_\_\_
  - A) Conductors
  - B) Resistors
  - C) Transformers
  - D) Shock absorbers
  
- 7) In what year was electrical capacitance discovered? 7) \_\_\_\_\_
  - A) 1745
  - B) 1846
  - C) 1908
  - D) None of these

- 8) A capacitor used for spike protection will normally be placed in \_\_\_\_\_ to the load or circuit. 8) \_\_\_\_\_
- A) Series
  - B) Parallel
  - C) In either series or parallel
  - D) In parallel with a resistor in series
- 9) Conductors in a capacitance device are separated by \_\_\_\_\_. 9) \_\_\_\_\_
- A) Insulators
  - B) Conductors
  - C) A vacuum
  - D) None of these
- 10) Two technicians are discussing the operation of a capacitor. Technician A says that a capacitor can create electricity. Technician B says that a capacitor can store electricity. Which technician is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

## Answer Key

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1) D

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2) D

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3) A

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4) B

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5) D

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6) D

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7) A

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8) B

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9) A

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10) B

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