

Name _____

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

- 1) A capacitor can be used in what components? 1) _____
A) A microphone
B) A radio
C) A speaker
D) All of the above

- 2) Which event causes the capacitor to retain a voltage potential? 2) _____
A) Open circuit
B) Closed circuit
C) Both A and B
D) Neither A nor B

- 3) The unit of measurement for capacitor rating is the _____. 3) _____
A) ohm
B) volt
C) farad
D) ampere

- 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) Which of these has the lowest dielectric constant? 5) _____
A) Vacuum
B) Mica
C) Paper
D) None of these

- 6) In what year was electrical capacitance discovered? 6) _____
A) 1745
B) 1846
C) 1908
D) None of these

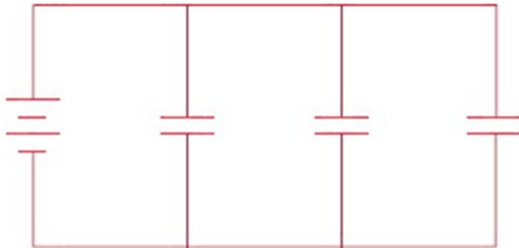
- 7) A capacitor used for spike protection will normally be placed in _____ to the load or circuit. 7) _____
A) series
B) parallel
C) either series or parallel
D) parallel with a resistor in series

8) What was the name of the first capacitance device?

- A) Leyden jar
- B) Battery
- C) Capacitor
- D) None of these

8) _____

9) This schematic shows _____.



9) _____

- A) capacitors in parallel
- B) capacitors in series
- C) batteries in parallel
- D) a diode trio

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

Testname: AT6_46A

1) D

Page Ref: 532-533

2) A

Page Ref: 531

3) C

Page Ref: 532

4) B

Page Ref: 533

5) A

Page Ref: 531

6) A

Page Ref: 530

7) B

Page Ref: 532

8) A

Page Ref: 530

9) A

Page Ref: 534

10) B

Page Ref: 533