

Multiple Choice questions related to resistors and capacitors basic knowledge:

1. What does the color coding on a resistor indicate?
 - a) Voltage rating
 - b) Resistance value
 - c) Capacitance value
 - d) Power rating

2. What unit is used to measure resistance?
 - a) Volts (V)
 - b) Ohms (Ω)
 - c) Farads (F)
 - d) Amperes (A)

3. What is the symbol used to represent a resistor in a circuit diagram?
 - a) R
 - b) C
 - c) A
 - d) S

4. A resistor with color bands of red, red, and orange has a resistance value of:
 - a) 22 ohms
 - b) 220 ohms
 - c) 2200 ohms
 - d) 22,000 ohms

5. Capacitors are commonly measured in:
 - a) Amperes (A)
 - b) Farads (F)
 - c) Ohms (Ω)

d) Volts (V)

6. What is the symbol used to represent a capacitor in a circuit diagram?

a) R

b) C

c) A

d) S

7. What does the size of a capacitor typically indicate?

a) Its capacitance value

b) Its voltage rating

c) Its resistance value

d) Its power rating

8. A capacitor with a value of 47 microfarads would be represented as:

a) 47F

b) 47 μ F

c) 47mF

d) 47nF

9. What unit is used to measure capacitance?

a) Volts (V)

b) Ohms (Ω)

c) Farads (F)

d) Amperes (A)

10. A capacitor with a voltage rating of 25V can handle a maximum voltage of:

a) 25 volts

b) 250 volts

c) 2.5 volts

d) 2.5 millivolts

Answers:

1. b) Resistance value

2. b) Ohms (Ω)

3. a) R

4. b) 220 ohms

5. b) Farads (F)

6. b) C

7. a) Its capacitance value

8. b) 47 μ F

9. c) Farads (F)

10. a) 25 volts