1. By convention, current is defined as
   a. the flow of positive charge per unit area
   b. the flow of negative charge per unit area
   c. the flow of positive charge per unit time
   d. the flow of negative charge per unit time
   e. none of these

2. Resistors are measured in units of
   a. Amperes
   b. Ohms
   c. Volts
   d. none of these

3. Resistors in series add like
   a. capacitors in series
   b. capacitors in parallel
   c. depends on the resistor’s physical properties
   d. none of these

4. The equivalent resistance of a 4-Ω resistor in parallel with a 12-Ω is
   a. 48 Ω
   b. 8 Ω
   c. 6 Ω
   d. none of these

5. If we have 6 Ω of internal resistance within a 12 V battery, what is the current supplied by the battery?
   a. 72 A
   b. 18 A
   c. 12 A
   d. 4 A
   e. none of these