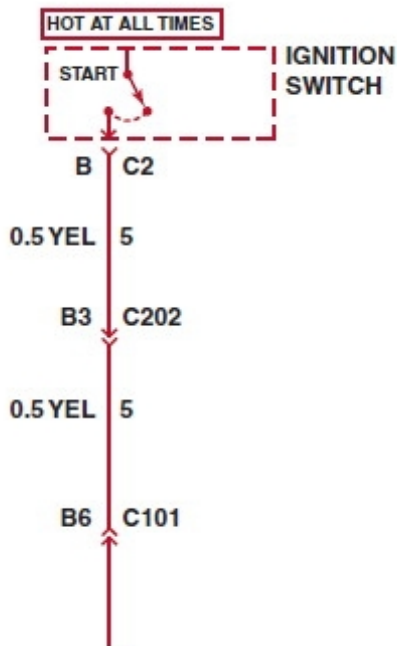


Name \_\_\_\_\_  
8thHTACch-10

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

- 1) An electrical conductor is an element with \_\_\_\_\_ electrons in its outer orbit. 1) \_\_\_\_\_  
A) Exactly 4                      B) Less than 2                      C) Less than 4                      D) More than 4
  
- 2) Technician A says that module communications networks are used to reduce the number of wires in a vehicle. Technician B says that a communications network is used to share data from sensors, which can be used by many different modules. Which technician is correct? 2) \_\_\_\_\_  
A) Technician A only                      B) Technician B only  
C) Both technicians                      D) Neither technician
  
- 3) In a schematic, a wire is labeled "0.8 BLK/WHT." This wire is \_\_\_\_\_. 3) \_\_\_\_\_  
A) 0.8 mm diameter                      B) White with a black stripe  
C) Both A and B                      D) Neither A nor B
  
- 4) Technician A says that a good relay should measure between 60 and 100 ohms across the coil terminals. Technician B says that OL should be displayed on an ohmmeter when touching terminals 30 and 87. Which technician is correct? 4) \_\_\_\_\_  
A) Technician A only                      B) Technician B only  
C) Both technicians                      D) Neither technician
  
- 5) Which type of DMM can measure current when clamped around a conductor? 5) \_\_\_\_\_  
A) Selective                      B) Reluctive                      C) Inductive                      D) None of these
  
- 6) In this diagram the number "0.5" refers to \_\_\_\_\_. 6) \_\_\_\_\_



- A) The circuit number                      B) The wire color
- C) The size of the wire                      D) Current flow in the circuit

7) Like charges \_\_\_\_\_. 7) \_\_\_\_\_  
A) Repel B) Attract  
C) Add D) Neutralize each other

8) This symbol in a wiring diagram indicates \_\_\_\_\_. 8) \_\_\_\_\_



A) A connector B) A fuse C) Both A and B D) Neither A nor B

9) The process of sending multiple signals of information at the same time over a signal wire and then separating the signals at the receiving end is called \_\_\_\_\_. 9) \_\_\_\_\_

A) Controller Area Network B) Rectifying  
C) Modulating D) Multiplexing

10) Semiconductors have how many electrons in their valence rings? 10) \_\_\_\_\_  
A) Four B) More than four C) Less than four D) None of these