

Name \_\_\_\_\_

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

- 1) Technician A says that a pressure check valve should hold system pressure for at least five minutes after the pump is shut off. Technician B says that a defective check valve could cause long cranking time. Which technician is correct? 1) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 2) A small amount of gasoline in the regulator vacuum hose is normal on older vehicles. 2) \_\_\_\_\_
  - A) True
  - B) False
  
- 3) A fuel filter has been accidentally installed backwards. What is the most likely result? 3) \_\_\_\_\_
  - A) Nothing will be noticed
  - B) Reduced fuel economy
  - C) Lower power at higher engine speeds and loads
  - D) Fuel system pulsations may be heard
  
- 4) The amperage draw of an electric fuel pump is higher than specified. All of the following are possible causes EXCEPT \_\_\_\_\_. 4) \_\_\_\_\_
  - A) Corroded electrical connections at the pump motor
  - B) Clogged fuel filter
  - C) Restriction in the fuel line
  - D) Defective fuel pump
  
- 5) On a General Motors vehicle, how long will the fuel pump run if the ignition is turned on but the engine is not started? 5) \_\_\_\_\_
  - A) About two seconds
  - B) Until the ignition is turned off
  - C) Between 10 and 20 minutes, depending on the vehicle
  - D) 500 ms
  
- 6) Which is NOT a commonly used type of fuel pump design? 6) \_\_\_\_\_
  - A) Gerotor
  - B) Pulsating
  - C) Rotor cell
  - D) Turbine
  
- 7) When the vacuum line is removed from the pressure regulator (engine running) what will the effect be on the fuel pressure? 7) \_\_\_\_\_
  - A) The fuel pressure will increase
  - B) The fuel pressure will decrease
  - C) Vapors will form in the fuel line
  - D) None of these

- 8) The fuel pump is turned on and off by \_\_\_\_\_. 8) \_\_\_\_\_
- A) The fuel pump relay
  - B) The fuel pump rocker switch
  - C) High fuel tank pressure
  - D) A vacuum switch
- 9) The first fuel filter in the sock inside the fuel tank normally filters particles larger than \_\_\_\_\_. 9) \_\_\_\_\_
- A) 0.001 to 0.003 in
  - B) 0.010 to 0.030 in
  - C) 10 to 20 microns
  - D) 70 to 100 microns
- 10) How much fuel should be supplied to the engine every 30 seconds? 10) \_\_\_\_\_
- A) 2 Pints
  - B) 1 Pint
  - C) 4 Pints
  - D) 2 Liters

## Answer Key

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1) C

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2) B

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3) C

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4) A

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5) A

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6) B

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7) A

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8) A

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9) D

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10) A

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