

Name _____

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

- 1) A defective thermostat can cause the powertrain control module (PCM) to set what diagnostic trouble code (DTC)? 1) _____
 - A) P0171
 - B) P0172
 - C) P0128
 - D) P0300

- 2) A gasoline direct-injection engine has a light ticking sound when running. What should the technician do to correct this noise? 2) _____
 - A) Change the oil
 - B) Nothing, the noise is normal
 - C) Check for carbon deposits on top of the pistons
 - D) Check for vacuum leaks

- 3) Some of the wiring under the hood of a late model vehicle is encased in bright orange covering. This indicates a _____. 3) _____
 - A) High pressure hydraulic systems
 - B) High pressure air conditioning system
 - C) High voltage electrical system
 - D) None of these

- 4) A technician is preparing to do an oil change on a hybrid vehicle. What special precaution needs to be taken BEFORE performing this service? 4) _____
 - A) Make sure the ignition is "OFF" and the key is removed from the ignition switch.
 - B) Leave the hood closed when draining the oil
 - C) Do not lift the vehicle more than 12 inches off the floor
 - D) Disconnect any orange colored wiring harnesses

- 5) Technician A says to use lineman's gloves when servicing the high voltage system on hybrid electric vehicles. Technician B says that some hybrid vehicles require high-viscosity engine oil. Which technician is correct? 5) _____
 - A) Technician A
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician

- 6) A vehicle has set DTC P0172, indicating a lean exhaust and a vacuum leak is suspected. This can be diagnosed by introducing _____ around the intake manifold gasket. 6) _____
 - A) Shop air
 - B) Propane
 - C) Rock salt
 - D) Sprayed gasoline

- 7) When changing a timing belt it is recommended that the _____ also be replaced. 7) _____
A) Air filter
B) Front crankshaft seal
C) Air pump seal
D) Air intake hoses
- 8) A skewed thermostat means it is _____. 8) _____
A) Working, but not at the correct temperature
B) Not working
C) Missing the thermo wax in the heat sensor
D) Contaminated with coolant
- 9) The torque specification for many plastic intake manifolds are in what unit? 9) _____
A) Pound-inches
B) Pound-feet
C) Ft-lbs per minute
D) Lb-ft per second
- 10) A thermostat can fail in which way? 10) _____
A) Stuck open
B) Stuck closed
C) Stuck partially open
D) Any of the above

Answer Key

Testname: ENGINES9_23A

1) C

Page Ref: 319

2) B

Page Ref: 323

3) C

Page Ref: 322

4) A

Page Ref: 322

5) A

Page Ref: 322

6) B

Page Ref: 320

7) B

Page Ref: 322

8) A

Page Ref: 319

9) A

Page Ref: 321

10) D

Page Ref: 319