

Name _____

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

- 1) When replacing a timing belt, many experts and vehicle manufacturers recommend that what other part(s) should be replaced? 1) _____
 - A) Tensioner assembly
 - B) Water pump
 - C) Camshaft oil seal(s)
 - D) All of the above

- 2) Hybrid electric vehicles usually require special engine oil of what viscosity? 2) _____
 - A) SAE 5W-30
 - B) SAE 10W-30
 - C) SAE 0W-20
 - D) SAE 5W-40

- 3) The torque specification for many plastic intake manifolds are in what unit? 3) _____
 - A) Pound-inches
 - B) Pound-feet
 - C) Ft-lbs per minute
 - D) Lb-ft per second

- 4) An intake manifold gasket has been replaced due to a vacuum leak. Which of the following steps uses a scan tool to complete the job? 4) _____
 - A) Idle relearn
 - B) Refilling the cooling system
 - C) Torquing the manifold bolts
 - D) Air cleaner check

- 5) 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. 5) _____
 - A) Shop air
 - B) Propane
 - C) Rock salt
 - D) Sprayed gasoline

- 6) When torquing intake manifold bolts, what is the proper sequence? 6) _____
 - A) From the center to the outer ends
 - B) From both ends, then in towards the center
 - C) From one end to the other end
 - D) The sequence is not important

- 7) Before removing a timing belt what should the technician do? 7) _____
 - A) Remove the water pump
 - B) Align the timing marks
 - C) Lock the transmission in 1st gear
 - D) Disconnect the speedometer cable

- 8) A water pump can fail to provide the proper amount of coolant flow through the cooling system if what has happened? 8) _____
- A) The coolant is leaking from the weep hole
 - B) The bearing is noisy
 - C) The impeller blades are worn or slipping on the shaft
 - D) A bearing failure has caused the shaft to become loose
- 9) A thermostat can fail in which way? 9) _____
- A) Stuck open
 - B) Stuck closed
 - C) Stuck partially open
 - D) Any of the above
- 10) Technician A says to use high-voltage linesman's gloves when servicing the high voltage system on hybrid electric vehicles. Technician B says to remove the ignition key before service. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

Answer Key

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1) D

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2) C

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3) A

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4) A

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5) B

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6) A

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7) B

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8) C

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9) D

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10) C

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