

Name _____

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

- 1) On some engines equipped with a timing belt, the belt also may drive the _____. 1) _____
A) water pump
B) alternator
C) AC compressor
D) power steering

- 2) Which of the following is NOT a function of engine mounts? 2) _____
A) Support the weight of the engine.
B) Support the torque of the powertrain.
C) Transfer engine vibrations into the body of the vehicle.
D) Isolate engine noise from the frame of the vehicle.

- 3) When replacing a timing belt, many experts and vehicle manufacturers recommend that what other part(s) should be replaced? 3) _____
A) Tensioner assembly
B) Water pump
C) Camshaft oil seal(s)
D) All of the above

- 4) A hybrid electric vehicle has a feature that could allow the engine to start and run without warning. This feature is called _____. 4) _____
A) idle stop
B) false off
C) battery save
D) self-start

- 5) Intake manifold gaskets on a V-type engine can fail due to what factor? 5) _____
A) Fretting
B) Coolant damage
C) Relative movement between the intake manifold and the cylinder head
D) All of the above

- 6) Technician A says to use lineman's gloves when servicing the high voltage system on hybrid electric vehicles. Technician B says that hybrid vehicles have a plug to disable the high voltage system before service. Which technician is correct? 6) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 7) Coolant leaking from an intake manifold can evaporate fast enough to leave no trace of a leak. 7) _____
A) True
B) False

8) The torque specification for many plastic intake manifolds are in what unit? 8) _____
A) Pound-inches
B) Pound-feet
C) Ft-lbs per minute
D) Lb-ft per second

9) Technician A uses a steel gasket scraper on aluminum engine parts. Technician B uses a plastic or wood scraper on aluminum engine parts. Which technician is correct? 9) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

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