

Name _____

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

- 1) Before installing or starting a new or rebuilt engine, all of the following items should have been checked, EXCEPT _____. 1) _____
 - A) battery fully charged
 - B) pre-lube engine and check for proper oil pressure
 - C) check that all of the vacuum lines are correctly installed and routed
 - D) rear axle is topped off

- 2) In which type of vehicle is the engine most likely to be installed from underneath the vehicle? 2) _____
 - A) Rear wheel drive (RWD)
 - B) Front wheel drive (FWD)
 - C) Four wheel drive (4WD)
 - D) Both A and C

- 3) How should the vehicle be driven to best break in a newly overhauled engine? 3) _____
 - A) At a steady low speed
 - B) At varying speeds and loads
 - C) At high speeds and loads
 - D) At idle speed and little or no load

- 4) After rebuilding an engine, you need to have which of these near when the engine is first started? 4) _____
 - A) Bucket of water
 - B) Fire extinguisher
 - C) Blanket
 - D) First Aid Kit

- 5) If the bell housing is not properly torqued to the engine block, _____. 5) _____
 - A) the bell housing will distort
 - B) the engine block will crack
 - C) the rear cylinder can be distorted (become out-of-round)
 - D) the crankshaft will crack

- 6) Technician A says to use SAE 30 engine oil on an engine break-in. Technician B says that it is recommended to change the engine oil and filter after 30 minutes of running time. Who is right? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 7) Why must flat-bottom lifter camshafts be broken in at a fast idle? 7) _____
 - A) The cam in a cam-in-block engine is only lubricated by splash oil.
 - B) The flat-bottom of the lifters must become slightly concave in order to rotate.
 - C) Both A and B are correct.
 - D) Neither A nor B are correct.

- 8) Two technicians are discussing the installation of a rebuilt engine into a vehicle. Technician A says that the radiator should be flow tested to help ensure that the engine will not overheat. Technician B says that starting fluid should be used to start the engine. Who is right? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 9) Technician A says that it is generally easier to install the starter after the engine is put in the chassis. Technician B says that some engines drive all the accessories with one belt. Who is right? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) Technician A says to always adjust the clutch free play after starting the engine. Technician B says that the old clutch disc can be reused if it looks OK. Who is right? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician