

Name \_\_\_\_\_

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

- 1) What can happen if gasket surfaces are too smooth? 1) \_\_\_\_\_  
A) Gasket can move out of proper location, causing leakage  
B) Gasket will not be able to seal the deep grooves in the surface  
C) Nothing will happen  
D) Gasket will seal with no leaks
- 2) If the torque and horsepower readings are graphed, where do the curves cross (equal each other)? 2) \_\_\_\_\_  
A) Never  
B) At peak horsepower, which can vary from engine to engine  
C) At peak torque, which can vary from engine to engine  
D) At 5,252 RPM
- 3) An engine dynamometer may use devices to convert pressure and temperature signals into electronic signals. These devices are called \_\_\_\_\_. 3) \_\_\_\_\_  
A) inverters  
B) reducers  
C) transducers  
D) reversers
- 4) Technician A says that when the camshaft is being installed, the lobes of the cam should be coated with a special lubricant. Technician B says that the piston ring gap should be about 0,004 inch per inch of cylinder bore. Which technician is correct? 4) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 5) Before starting a rebuilt engine, what procedure should be followed? 5) \_\_\_\_\_  
A) Rotate the engine by hand 3 turns backwards, then 3 turns forward.  
B) Pre-lube the engine with a pressurized tool.  
C) Install pushrod deflectors.  
D) Tap lightly on all the head bolts with a small hammer.
- 6) Cam bearings should be installed \_\_\_\_\_. 6) \_\_\_\_\_  
A) dry  
B) oiled  
C) with 0.100 inches of crush  
D) both B and C

- 7) Technician A says that all oil galleries must be thoroughly cleaned before engine assembly can begin. Technician B says that all expansion cups and plugs should be installed with a sealer to prevent leaks. Who is right? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 8) A coating often used to keep an engine from rusting during assembly is called \_\_\_\_\_. 8) \_\_\_\_\_
- A) engine oil
  - B) assembly lube
  - C) fogging oil
  - D) penetrating oil
- 9) A engine dynamometer is used to measure engine \_\_\_\_\_. 9) \_\_\_\_\_
- A) horsepower
  - B) mass
  - C) torque
  - D) weight
- 10) Typical thrust bearing clearance is \_\_\_\_\_. 10) \_\_\_\_\_
- A) 0.001 to 0.003
  - B) 0.002 to 0.012
  - C) 0.025 to 0.035
  - D) 0.050 to 0.100

## Answer Key

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- 1) A  
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- 2) D  
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- 3) C  
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- 4) C  
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- 5) B  
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- 6) A  
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- 7) C  
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- 8) C  
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- 9) C  
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- 10) B  
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