

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

- 1) What part of the engine is considered to be the foundation of the engine? 1) _____
A) Block B) Crankshaft
C) Cylinder head(s) D) Pistons

- 2) The following statements are all correct EXCEPT _____. 2) _____
A) Torque always results in movement.
B) Torque is often expressed in pound-feet.
C) Torque is the measurement of rotational force.
D) All of the above answers are correct.

- 3) An engine's cylinders have all been bored 0.030" oversize. This will cause the engine's _____ to increase. 3) _____
A) Stroke B) Weight C) Displacement D) Length.

- 4) Which component is NOT needed in a typical overhead cam engine? 4) _____
A) Rocker arm B) Push rod C) Valve spring D) Camshaft

- 5) An 8 cylinder engine with a bore of 4.000 inches and a stroke of 3.000 inches has a displacement of _____ 5) _____
A) 302 cubic inches B) 350 cubic inches
C) 226 cubic inches D) 383 cubic inches

- 6) What force turns the turbine shaft in a turbocharger? 6) _____
A) An electric motor B) Exhaust gases
C) A belt D) Engine vacuum

- 7) How many degrees of CAMSHAFT rotation are needed to complete the four stroke combustion cycle? 7) _____
A) 360 B) 720 C) 90 D) 180

- 8) A 5.7 liter engine is about what size in cubic inches? 8) _____
A) 350 B) 305 C) 400 D) 426

- 9) Technician A says that the crankshaft determines the stroke of an engine. Technician B says that the length of the connecting rod determines the stroke of an engine. Which technician is correct? 9) _____
A) Technician A only B) Technician B only
C) Both Technicians A and B D) Neither Technician A nor B

- 10) How many degrees of CRANKSHAFT rotation are needed to complete the four stroke combustion cycle? 10) _____
A) 90 B) 360 C) 720 D) 180