

Name _____

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

- 1) Which component is NOT needed in a typical overhead cam engine? 1) _____
A) Camshaft
B) Valve spring
C) Rocker arm
D) Push rod

- 2) A 5.7 liter engine is about what size in cubic inches? 2) _____
A) 305
B) 400
C) 426
D) 350

- 3) How many rotations of the crankshaft are required to complete each stroke of a four-stroke cycle engine? 3) _____
A) One-fourth
B) One-half
C) One
D) Two

- 4) How many degrees of CAMSHAFT rotation are needed for a piston to travel from TDC to BDC and return to TDC? 4) _____
A) 180
B) 360
C) 90
D) 720

- 5) The metric unit for torque used by most original equipment manufacturers (OEM) is which of these? 5) _____
A) Foot-pound
B) Pound-foot
C) Newton-meter
D) Kilogram-meter

- 6) The coolant flow through the radiator is controlled by the _____. 6) _____
A) size of the passages in the block
B) thermostat
C) cooling fan(s)
D) water pump

- 7) Horsepower is expressed in units of _____. 7) _____
A) pound-feet
B) foot-pounds
C) foot-pounds per minute
D) pound-feet per second

- 8) The _____ converts linear motion of the pistons into rotary motion. 8) _____
A) crankshaft
B) camshaft
C) connecting rod
D) none of these
- 9) A rotating force is called _____. 9) _____
A) horsepower
B) torque
C) combustion pressure
D) eccentric movement
- 10) How many degrees of CRANKSHAFT rotation are needed to complete the four stroke combustion cycle? 10) _____
A) 180
B) 360
C) 90
D) 720