1. For which of the following reason(s) is it advisable to lubricate all moving parts of an engine?
   A. To increase friction
   B. To reduce friction
   C. To increase velocity
   D. To reduce velocity
   a. Only A
   b. Only B
   c. Both A and C
   d. Both A and D

2. What is the use of Damper spring in a clutch system?
   a. Softens the torsional vibration produced when the friction plate is pressed by the pressure plate
   b. To exert pressure on the driven plate
   c. Store kinetic energy and release it when needed,
   d. None of the above.

3. Which of the following is a remedy for air in the hydraulic system problem?
   a. Bleed the system
   b. Adjust the brake pedal
   c. Use brake oil
   d. None of these

4. The part of the rim that provides lateral support to the tire is known as ________.
   a. Well
   b. Bead seat
   c. Flange
   d. Gutter
5. Which of the following is preferred to tighten cylinder head bolts?
   a. Ring spanner
   b. Ratcheting box wrench
   c. Open-ended spanner
   d. All of the above

6. What is the use of distributor in a spark ignition engine?
   a. For providing correct firing order
   b. For breaking and mixing the fuel with air
   c. For providing high voltage to the spark plug
   d. For removing the burnt exhaust gases

7. Which of the following statements is/are false?
   a. The spark plug gap is normally kept at 0.8 mm to 1.0 mm
   b. A fuel will detonate less if it has lower self-ignition temperature
   c. The relative fuel-air ratio (Fr) is equal to (chemically correct fuel air ratio)/actual fuel-air ratio
   d. All of the above

8. Torque converter is a type of hydrodynamic coupling. What is the key characteristic of a torque converter?
   a. It transmits torque from the prime mover to the drive axles directly
   b. It multiplies torque when there is a substantial difference between input & output rotational speed
   c. It acts as a replacement of transmission to control the speed of the vehicle
   d. It decreases the torque at the wheels
9. What is/are the thing(s) to check when an engine does not start/crank?

   a. Battery  
   b. Fuel  
   c. Clutch  
   d. Brake oil  
   e. Both a and b

All set to take the AMCAT?

Schedule your AMCAT if you've not done it so far!