

North Montco Technical Career Center

ASE Practice Test 8
Engine Performance

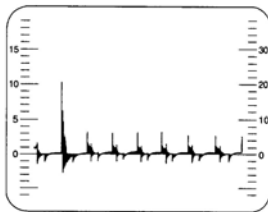
Name: _____

AM-1: _____ AM-2: _____ PM: _____

Date: _____

1. Which of the following is the cause for the scope pattern shown?

- (A) Bad coil wire.
- (B) Bad ignition coil.
- (C) Defective spark plug wire.
- (D) Bad pickup coil.



2. With late-model multi-port injection, which of the following statements is true?

- (A) A shorted injector coil will cause a weak cylinder.
- (B) A cylinder balance test will find a bad injector.
- (C) Both A and B.
- (D) Neither A nor B.

3. All of the following statements are true regarding exhaust gas recirculation (EGR) emission control system operation except:

- (A) the EGR valve lets exhaust gases enter the intake manifold.
- (B) the EGR valve is open at engine idle.
- (C) the EGR system reduces NOx emission.
- (D) the EGR system reduces combustion chamber temperatures.

4. Which of the following is true regarding an electronic ignition system?

- (A) There is no breaker cam in distributor.
- (B) There is no coil.
- (C) Transistor furnishes high secondary voltage at low speeds.
- (D) Primary current is much higher than in conventional engines.

5. A car equipped with an air pump emission control system backfires when decelerating. Which of the following should you check?

- (A) Operation of exhaust manifold heat riser.
- (B) Output pressure of air pump.
- (C) Operation of diverter or gulp valve.
- (D) Air manifolds for restrictions.

6. Which of the following is least likely to cause a car to hesitate when the accelerator is quickly opened?

- (A) Retarded ignition timing.
- (B) Low carburetor float level.
- (C) Leaking carburetor accelerator pump check valve(s).
- (D) Leaking carburetor power valve.

7. Which of the following statements is true regarding adjustment of valve lash on an engine with solid lifters?

- (A) Too much valve lash can cause poor engine performance.
- (B) Not enough valve lash can cause valve burning.
- (C) Both A and B.
- (D) Neither A nor B.

8. Technician A says that in an alternator charging system, the output current increases when the field current increases. Technician B says that in an alternator charging system, the alternator output voltage is high when the battery is discharged. Who is right?

- (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

9. An engine cranks but will not start. Technician A says to check fuel pressure before looking for other problems. Technician B says to check for spark before looking for other problems. Who is right?

- (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

10. Which of the following is the most likely to cause a rough idle?

- (A) a vacuum leak.
- (B) faulty engine speed sensor.
- (C) worn spark plugs.
- (D) a rich mixture.