

Name _____

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

- 1) Technician A says that PCV valves should rattle when shaken. Technician B says that defective PCV systems may cause leaking engine seals. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) EGR is designed to lower which exhaust emission? 2) _____
 - A) NO_x
 - B) HC
 - C) CO
 - D) CO₂

- 3) Which exhaust emission is formed by high combustion chamber temperatures? 3) _____
 - A) NO_x
 - B) HC
 - C) CO
 - D) CO₂

- 4) Which EVAP valve(s) is (are) normally closed? 4) _____
 - A) Canister purge valve
 - B) Canister vent valve
 - C) Both canister purge and canister vent valve
 - D) Neither canister purge nor canister vent valve

- 5) Which device protects the air pump from reverse exhaust pressure? 5) _____
 - A) Check valve
 - B) PCV valve
 - C) EGR valve
 - D) IAC valve

- 6) The OBD-II evaporative emission system monitor on a 2008 vehicle can detect a hole as small as _____ 6) _____
 - A) 0.040" diameter
 - B) 0.020" diameter
 - C) 0.400" diameter
 - D) 0.200" diameter

- 7) How much air flows through the PCV system when the engine is at idle speed? 7) _____
 - A) 1% to 3%
 - B) 5% to 10%
 - C) 10% to 20%
 - D) Up to 30%

- 8) At about what temperature does oxygen combine with the nitrogen in the air to form NO_x? 8) _____
- A) 500 deg F
 - B) 750 deg F
 - C) 1500 deg F
 - D) 2500 deg F
- 9) An EGR valve that is partially stuck open would MOST LIKELY cause what condition? 9) _____
- A) Rough idle/stalling
 - B) Excessive NO_x exhaust emissions
 - C) Ping (spark knock or detonation)
 - D) Missing at highway speed
- 10) A P0401 is being discussed. Technician A says that a stuck-closed EGR valve could be the cause. Technician B says that clogged EGR ports could be the cause. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

Answer Key

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