

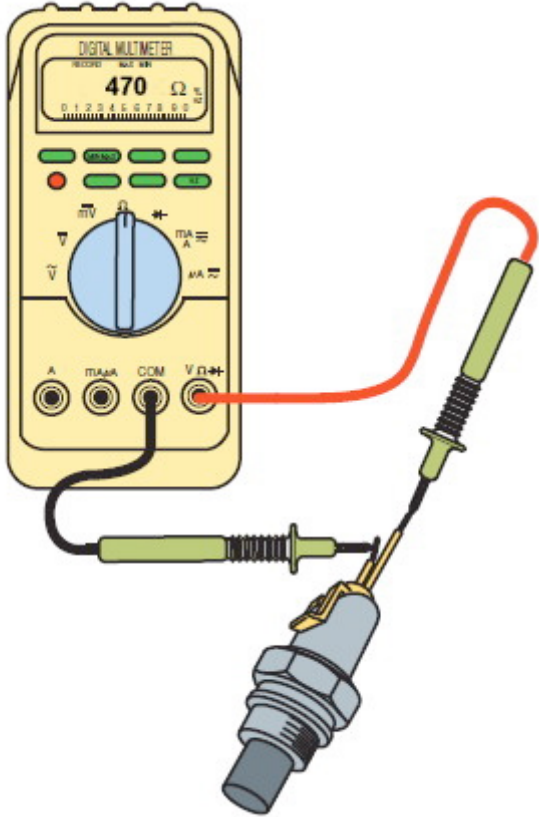
Name _____

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

- 1) An IAT is being tested. After the vehicle has been allowed to cool for several hours, a scan tool is used to observe the IAT sensor reading. When compared to the engine coolant temperature (ECT), the two temperatures should be within how many degrees F of each other: 1) _____
- A) 5
 - B) 10
 - C) 15
 - D) 25
- 2) The wiring to the IAT sensor has high resistance (cut wire). What could this cause? 2) _____
- A) Poor fuel economy
 - B) Black exhaust smoke
 - C) Both A and B
 - D) Neither A nor B
- 3) Technician A says that the ECT and IAT sensors can be checked visually, as well as by using a digital multimeter or a scan tool. Technician B says that the ECT sensor is a high-authority sensor at engine startup and is used for open-loop control, as well as idle speed. Which technician is correct? 3) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 4) Which of the following components provides the engine control computer with engine coolant temperature information? 4) _____
- A) TP sensor
 - B) MAP sensor
 - C) ECT sensor
 - D) OP sensor

5) This DVOM reading indicates a temperature of _____ for a GM ECT sensor.

5) _____



- A) 70°C
- B) 70°F
- C) Either A or B
- D) Neither A nor B

6) A corroded connector at the ECT could cause _____.

6) _____

- A) Air-fuel mixture too rich
- B) Poor fuel economy
- C) Stored DTC
- D) All of these

7) When testing the ECT sensor with the connector disconnected, the technician should select what position on the DMM (digital multimeter)?

7) _____

- A) AC volts
- B) DC volts
- C) Ohms
- D) Amperes

8) If the transmission fluid temperature (TFT) sensor indicates cold automatic transmission fluid temperature, what would the PCM do to the shifts?

8) _____

- A) Normal shifts and normal operation of the torque converter clutch
- B) Disable torque converter clutch; normal shift points
- C) Delayed shift points and torque converter clutch disabled
- D) Normal shifts but overdrive will be disabled

9) A DTC P0117 DTC is being discussed. Technician A says that the ECT sensor could be internally shorted to ground. Technician B says that the signal wire could be open. Which technician is correct? 9) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

10) A P0118 DTC is being discussed. Technician A says that the ECT sensor could be shorted internally. Technician B says the signal wire could be open. Which technician is correct? 10) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

Answer Key

Testname: ENGINEPERF5_20B

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