

Name \_\_\_\_\_

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

- 1) The vehicle symbol jumps down the road on a vehicle equipped with an on-board navigation system. What is the most likely cause? 1) \_\_\_\_\_
  - A) A defective yaw sensor
  - B) A defective vehicle speed (VS) sensor or a fault in the circuit
  - C) A fault with the GPS antenna
  - D) Metalized window tint
  
- 2) Technician A says that metal-type window tinting can affect the navigation system. Technician B says that most telematic systems require a monthly payment for full use of their system. Who is right? 2) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 3) Where are the total miles traveled stored in a vehicle equipped with an electronic odometer? 3) \_\_\_\_\_
  - A) LCD
  - B) NVRAM
  - C) LED
  - D) VTF
  
- 4) Which of these is a supplemental display that projects the vehicle speed and sometimes other data, such as turn signal information, onto the windshield? 4) \_\_\_\_\_
  - A) Road Monitor
  - B) Instrument Panel Display (IPD)
  - C) Head-up display (HUD)
  - D) Driver Information Center (DIC)
  
- 5) Technician A says that the data displayed on the dash can come from the powertrain control module (PCM). Technician B says that a virtual display can be set to show what the driver wishes to see displayed. Who is right? 5) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

6) What is the meaning of this symbol?

6) \_\_\_\_\_



- A) Loose oil filler cap
- B) Low oil temperature
- C) Low oil pressure
- D) Doors need lubrication

7) Most vehicles today use a \_\_\_\_\_ for an input to the engine temperature display.

7) \_\_\_\_\_

- A) ECT sensor
- B) coolant temperature sending unit
- C) coolant range sensor
- D) none of these

8) Technician A says that backup sensors use LEDs to detect objects. Technician B says that a backup sensor will not work correctly if the paint on them is thicker than 0.006 inch. Who is right?

8) \_\_\_\_\_

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

9) Technician A says that the instrument cluster speedometer uses a venturi generator to indicate vehicle speed. Technician B says that permanent-magnet (PM) generators produce an AC signal and are used for vehicle speed and wheel speed sensors. Who is right?

9) \_\_\_\_\_

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

10) What is the minimum oil pressure required to keep the oil pressure warning light OFF?

10) \_\_\_\_\_

- A) 10 PSI (70 kPa)
- B) 3 to 7 PSI (20 to 50 kPa)
- C) 60 PSI (400 kPa)
- D) None of these is correct

## Answer Key

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1) B

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2) C

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3) B

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4) C

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5) C

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6) C

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7) A

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8) B

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9) B

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10) B

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