

Name _____

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

- 1) Technician A says that metal-type tinting can affect the navigation system. Technician B says most telematic systems require a monthly payment for full use of their system. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) Technician A says that most digital and analog (needle-type) dash gauges use variable resistance sensors. Technician B says that permanent-magnet (PM) generators produce an AC signal and are used for vehicle speed and wheel speed sensors. Which technician is correct? 2) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 3) Which of these electronic display devices uses electrodes and polarized fluid to create numbers and characters? 3) _____
 - A) LCD (Liquid Crystal Display)
 - B) LED (Light Emitting Diode)
 - C) VTF (Vacuum Tube Fluorescent)
 - D) CRT (Cathode Ray Tube)

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

- 5) Which of the following is NOT included on a vehicle using a steering wheel control system? 5) _____
 - A) Power window control
 - B) Cruise control
 - C) Radio controls
 - D) HVAC functions

- 6) Which of these is a type of electric motor designed to rotate in small steps based on the signal from a vehicle computer? 6) _____
 - A) Stepper motor
 - B) Compound motor
 - C) Stepping motor
 - D) Shunt control motor

7) What is the meaning of this symbol?

7) _____



- A) Deep water ahead
- B) Coolant temperature too high
- C) Loose engine flag
- D) Engine vibration detected

8) What can a telematics system do?

8) _____

- A) Track a vehicle
- B) Operate the horn and lights
- C) Communicate for convenience services
- D) Any of the above

9) Which of these is a supplemental display that projects the vehicle speed and sometimes other data, such as turn signal information, onto the windshield?

9) _____

- A) Road Monitor
- B) Instrument Panel Display (IPD)
- C) Head-Up Display (HUD)
- D) Driver Information Center (DIC)

10) The vehicle symbol jumps down the road on a vehicle equipped with an on-board navigation. What is the most likely cause?

10) _____

- A) A defective yaw sensor
- B) A defective vehicle speed (VS) sensor or a fault in the circuits
- C) A fault with the GPS antenna
- D) Metalized window tint

Answer Key

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1) B

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2) C

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3) A

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4) B

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5) A

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6) A

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7) B

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8) D

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9) C

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10) B

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