

Name _____

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

- 1) Electronic indicators alert the driver when _____. 1) _____
A) Traction control is turned off
B) A fault is detected in the airbag (SRS) system
C) Both A and B
D) Neither A nor B
- 2) Which of these is a supplemental display that projects the vehicle speed and sometimes other data, such as turn signal information, onto the windshield? 2) _____
A) Road Monitor
B) Instrument Panel Display (IPD)
C) Head-up display (HUD)
D) Driver Information Center (DIC)
- 3) 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 is thicker than 0.006 inch. Who is right? 3) _____
A) A only
B) B only
C) Both A and B
D) Neither A nor B
- 4) Two technicians are discussing a fuel gauge on a General Motors vehicle. Technician A says that if the ground wire connection to fuel tank sending unit becomes rusty or corroded, the fuel gauge will read lower than normal. Technician B says that when the power lead to the fuel tank sending unit is disconnected from the tank unit and grounded (ignition on), the fuel gauge should go to empty. Who is right? 4) _____
A) A only
B) B only
C) Both A and B
D) Neither A nor B
- 5) A brake warning lamp on the dash remains on whenever the ignition is on. If the wire to the pressure differential switch (usually a part of the combination valve or built into the master cylinder) is unplugged, the dash lamp goes out. Technician A says that this is an indication of a fault in the brake hydraulic system. Technician B says the problem is probably due to a stuck parking brake cable switch. Who is right? 5) _____
A) A only
B) B only
C) Both A and B
D) Neither A nor B

- 6) 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. Who is right? 6) _____
- A) A only
 - B) B only
 - C) Both A and B
 - D) Neither A nor B
- 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) The parking brake switch is in a circuit that illuminates a _____ color light in the instrument cluster. 8) _____
- A) Red
 - B) Amber
 - C) Green
 - D) None of these
- 9) Which of these electronic display devices uses a fluid and polarized glass to create numbers and characters? 9) _____
- A) LCD (Liquid Crystal Display)
 - B) LED (Light Emitting Diode)
 - C) VFD (Vacuum Tube Fluorescent)
 - D) CRT (Cathode Ray Tube)
- 10) When the oil pressure drops to between 3 and 7 psi, the oil pressure lamp lights by _____. 10) _____
- A) Opening the circuit
 - B) Shorting the circuit
 - C) Grounding the circuit
 - D) Conducting current to dash lamp by oil

Answer Key

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