



SAMPLE QUESTIONS

The following are examples of the types of questions found on the National Automotive Student Skills Standards Assessment. Each test will consist of a mixture of theory and applied diagnostic style questions. For task lists and additional information, please visit www.NA3SA.com.

1. The ride (curb) height on the rear of a vehicle is found to be too low. The best corrective action would be to:
- replace the rear shocks.
 - install larger diameter rear tires.
 - replace the rear springs.
 - add helper springs.

2. The role of a stabilizer (sway) bar is to:
- prevent vibration.
 - control body roll.
 - prevent tire wear.
 - absorb noise.

3. A vehicle with front disc brakes shudders when the brakes are applied. Which of these is the most likely cause?
- Worn disc pads
 - A leaking grease seal
 - Warped brake rotors
 - A tight wheel bearing

4. How many amps will flow through a circuit with 3.3 ohms of resistance if 14.0 volts are applied?
- 0.23 amps
 - 4.24 amps
 - 14.0 amps
 - 46.2 amps

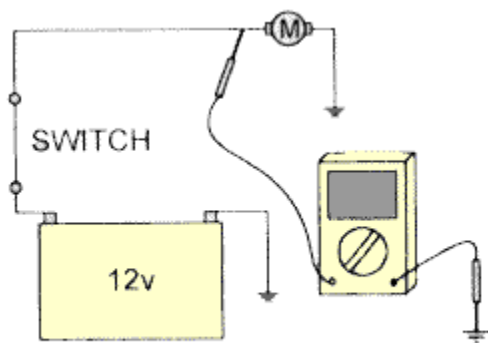


Diagram A

5. The digital multimeter (DMM) shown in Diagram A is measuring:
- volts.
 - amps.
 - ohms.
 - watts.

6. Blue exhaust smoke can be caused by:
- a clogged air filter.
 - worn piston rings.
 - worn main bearings.
 - a blown head gasket.

CO	0.5%
HC	1800 ppm
O2	4.9%
CO2	10.2%

Diagram B

7. The exhaust gas readings shown in Diagram B were obtained from a vehicle. Which of these is the most likely cause?
- An open coil wire
 - An open injector winding
 - A leaking injector
 - A bad plug wire
8. The torquing sequence for cylinder head bolts normally begins at the:
- middle of the head.
 - front of the head.
 - side of the head closest to the intake manifold.
 - rear of the head.
9. Which of these could cause a manual transaxle to jump out of gear?
- A misadjusted clutch
 - Worn CV joints
 - A binding clutch release bearing
 - Worn shifter forks
10. An air conditioning system is being charged.

Technician A says that R-12 and R-134a can be mixed in a vehicle's system.

Technician B says that it is acceptable to release R-134a into the atmosphere.

Who is right?

- A only
- B only
- Both A and B
- Neither A nor B

Answer Key:

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

11. When buffing a refinished hood, the clearcoat appears to be melting. This could be caused by:
- A. over-baked clearcoat.
 - B. buffing too slow.
 - C. buffing at a high RPM.
 - D. over-reduced clearcoat.
12. Which of these combinations would be correct when mixing basecoat and reducer using a 1:1 mixing ratio?
- A. 100 grams of color + 100 grams of reducer
 - B. 10 grams of reducer + 10 grams of color
 - C. 10 parts color + 10 parts reducer
 - D. 10 ounces of color + 1 ounce reducer
13. All of these tools could be used to rough out a damaged panel **EXCEPT**:
- A. screw type slide hammer.
 - B. bumping style hammer.
 - C. dolly block.
 - D. weld-on tab.
14. Which of these tools should be used to secure a vehicle to the pinchweld anchoring devices?
- A. Air impact
 - B. Torque wrench
 - C. Box wrench
 - D. Lug nut wrench
15. In a parallelogram steering linkage, which of these supports the center link?
- A. Inner and outer tie rods
 - B. Idler arm and pitman arm
 - C. Steering coupler
 - D. Strut rods

Answer Key:
11-C, 12-C, 13-A, 14-B, 15-B