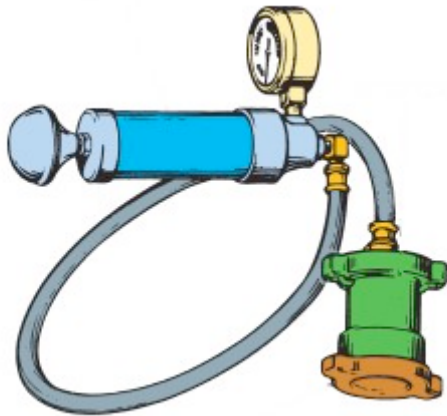


Name _____

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

- 1) Permanent antifreeze is mostly _____. 1) _____
- A) Methanol
 - B) Glycerin
 - C) Kerosene
 - D) Ethylene glycol

- 2) While performing the test shown below, the pressure is increased to 15 PSI and then held. The pressure bleeds down to zero after about 5 seconds. What does this indicate? 2) _____



- A) That the component being tested is leaking
 - B) That the component being tested is OK
 - C) That the radiator is leaking
 - D) That the fuel pump check valve is leaking
- 3) Technician A says that a defective thermostat can cause overheating. Technician B says that debris trapped in the radiator fins may cause engine overheating. Which technician is correct? 3) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 4) Technician A says that coolant from the upper radiator hose should be cooler than coolant from the lower radiator hose. Technician B says that many front wheel drive vehicles use a cooling fan mounted to the engines water pump shaft. Which technician is correct? 4) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) What is the purpose of the cooling system bypass? 5) _____
A) Eliminates hot spots during engine warm up
B) Prevents excessive coolant pressure when the thermostat is closed
C) Both A and B
D) Neither A nor B
- 6) Which of these components are NOT used to control an electric cooling fan? 6) _____
A) A/C pressure sensor
B) Engine control module
C) Driver fan switch
D) Relay
- 7) Which mixture of antifreeze/ water solution below is generally recommended for general automotive use? 7) _____
A) 30/70
B) 50/50
C) 100/0
D) 70/30
- 8) Technician A says that a bleeder valve is located on many engines to allow air to escape when refilling the cooling system. Technician B says that a hose should be attached to the bleeder valve to allow any escaping coolant to be directed to a suitable container. Which technician is correct? 8) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 9) A cooling system bleeder valve is used to _____. 9) _____
A) Release air from the system when refilling
B) Remove excess coolant
C) Bleed out any brake fluid that may have gotten into the cooling system
D) Control system pressure
- 10) All of the following statements are correct EXCEPT _____. 10) _____
A) The radiator outlet is usually at the top of the radiator
B) The radiator inlet is usually at the top of the radiator
C) The water pump usually connects to the lower radiator hose
D) The thermostat usually connects to the upper radiator hose

Answer Key

Testname: ENGINEPERF5_8A

1) D

Page Ref: 135

2) A

Page Ref: 142

3) C

Page Ref: 147

4) D

Page Ref: 132

5) C

Page Ref: 133

6) C

Page Ref: 146

7) B

Page Ref: 136

8) C

Page Ref: 148

9) A

Page Ref: 148

10) A

Page Ref: 143