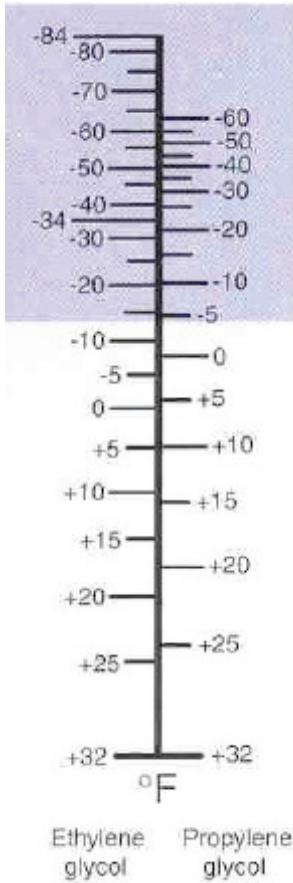


Name _____

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

- 1) DEX-COOL is _____. 1) _____
A) Propylene glycol
B) Ethylene glycol
C) Silicate and phosphate free
D) Both B and C
- 2) A voltmeter was used to check the coolant and a reading of 0.2 volt with the engine off was measured. A reading of 0.8 volt was measured with the engine running and all electrical accessories turned on. Technician A says that the coolant should be flushed to solve the galvanic activity. Technician B says that the ground wires and connections should be inspected and repaired to solve the electrolysis problem. Which technician is correct? 2) _____
A) Technician A
B) Technician B
C) Both technicians
D) Neither technician
- 3) The pH of coolant is tested using a _____. 3) _____
A) Test strip
B) Hydrometer
C) Refractometer
D) Voltmeter
- 4) Coolant is water and _____. 4) _____
A) Methanol
B) Glycerin
C) Kerosene
D) Ethylene glycol
- 5) Testing for galvanic activity is done with the coolant _____ and the engine _____. 5) _____
A) Cool; not running
B) Warm; running
C) Cool; running
D) Warm; engine not running

6) A late model vehicle's coolant is being tested. The refractometer reading shows a freezing point of _____ 6) _____
of _____.



- A) -14°F
- B) -5°F
- C) -34°F
- D) None of these

7) All these are functions of coolant EXCEPT _____ 7) _____

- A) Corrosion inhibitor
- B) Rust inhibitor
- C) Cooling system lubricant
- D) Increases air flow across the radiator

8) Technician A says that galvanic activity is the result of a poor ground connection. Technician B says that electrolysis can occur with a poor ground connection. Which technician is correct? 8) _____

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

9) PHOAT coolant is what color?

- A) Red
- B) Orange
- C) Dark Green
- D) Blue

9) _____

10) Asian red coolant is what type?

- A) IAT
- B) OAT
- C) HOAT
- D) PHOAT

10) _____

Answer Key

Testname: ENGINES9_13A

1) D

Page Ref: 152

2) B

Page Ref: 157

3) A

Page Ref: 155

4) D

Page Ref: 151

5) A

Page Ref: 157

6) A

Page Ref: 151, 156

7) D

Page Ref: 151

8) B

Page Ref: 156

9) C

Page Ref: 153

10) C

Page Ref: 153