

Name _____

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

- 1) Which mixture of coolant/ water solution below is recommended for general automotive use? 1) _____
A) 30/70
B) 50/50
C) 100/0
D) 70/30
- 2) Coolant is water and _____. 2) _____
A) Methanol
B) Glycerin
C) Kerosene
D) Ethylene glycol
- 3) The pH of coolant is tested using a _____. 3) _____
A) Test strip
B) Hydrometer
C) Refractometer
D) Voltmeter
- 4) All these are functions of coolant EXCEPT _____. 4) _____
A) Corrosion inhibitor
B) Rust inhibitor
C) Cooling system lubricant
D) Increases air flow across the radiator
- 5) Technician A says used coolant should never be recycled. Technician B says coolant types that include DEX-COOL are ethylene glycol-based. Which technician is correct? 5) _____
A) Technician A
B) Technician B
C) Both technicians
D) Neither technician
- 6) 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? 6) _____
A) Technician A
B) Technician B
C) Both technicians
D) Neither technician
- 7) DEX-COOL is what type of coolant? 7) _____
A) IAT
B) OAT
C) HOAT
D) PHOAT

- 8) 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? 8) _____
- A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician
- 9) Reusing old coolant is generally not approved by vehicle manufacturers, with the exception of _____. 9) _____
- A) General Motors
 - B) Ford
 - C) Chrysler
 - D) Mercedes
- 10) A normal reading when testing for electrolysis in the coolant is _____. 10) _____
- A) Less than 300 mV
 - B) At least .5 V
 - C) More than .5 V
 - D) 5 V or more

Answer Key

Testname: ENGINES9_13B

1) B

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2) D

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3) A

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4) D

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5) B

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6) B

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7) B

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8) B

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9) D

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10) A

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