

Name _____

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

- 1) What is the purpose of the thermostatic spring used on the cooling fan hub? 1) _____
 - A) Reduces vibration
 - B) Absorbs start-up shock
 - C) Allows the fan to freewheel when cold
 - D) The spring is what retains the fan onto the hub.

- 2) The hand-operated radiator pressure tester should be pumped _____ when testing the cooling system. 2) _____
 - A) To 50% more than the cap rating
 - B) To no more than 15 PSI
 - C) With shop air to at least 30 PSI
 - D) None of these are correct

- 3) Which statement is TRUE about thermostats? 3) _____
 - A) The temperature marked on the thermostat is the temperature at which the thermostat should be fully open.
 - B) Thermostats control the flow of coolant to the heater.
 - C) The temperature marked on the thermostat is the temperature at which the thermostat should start to open.
 - D) Both A and B

- 4) Engine cooling systems are pressurized in order to _____ of the coolant. 4) _____
 - A) Increase the flow
 - B) Raise the boiling point
 - C) Stabilize vibrations
 - D) Reduce surging

- 5) What type of pump is a water pump? 5) _____
 - A) Positive displacement
 - B) Centrifugal pump
 - C) Vane-type pump
 - D) Gear-type pump

- 6) If the seal on the water pump fails, coolant will leak out of the _____. 6) _____
 - A) Fan hub
 - B) Radiator cap
 - C) Belt idler pulley
 - D) Weep hole

- 7) Which of these is NOT part of a typical radiator? 7) _____
 - A) Core tubes
 - B) Transmission cooler
 - C) Air dam
 - D) Fins

- 8) DEX-COOL is _____. 8) _____
- A) Propylene glycol
 - B) Ethylene glycol
 - C) silicate and phosphate free
 - D) Both B and C
- 9) The normal operating temperature (coolant temperature) of an engine equipped with a 195°F thermostat is _____. 9) _____
- A) 175°F to 195°F
 - B) 185°F to 205°F
 - C) 195°F to 215°F
 - D) 175°F to 215°F
- 10) A vehicle's engine does not warm up properly; the temperature gauge shows cold all the time. Which of these could be the cause? 10) _____
- A) A restricted radiator hose
 - B) Missing fan blades
 - C) Failed thermostat
 - D) Loose fan belt

Answer Key

Testname: LVDE1_5B

1) C

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2) B

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3) C

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4) B

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5) B

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6) D

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7) C

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8) D

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9) C

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10) C

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