

Name _____

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

- 1) Two technicians are discussing replacing heater hoses. Technician A says that the replacement hoses should be the same length as the original hoses. Technician B says that the replacement hoses should be cut as short as possible to allow more coolant to flow through the heater core faster. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) During a retrofit, the replacement R-134a charge should be _____ than the specified R-12 charge. 2) _____
 - A) 10% minus 4 oz. less
 - B) 10-20% more
 - C) 20-30% less
 - D) 20-30% more

- 3) If a condenser has a leak it can be easily repaired with epoxy. 3) _____
 - A) True
 - B) False

- 4) O-rings are usually made from _____. 4) _____
 - A) HSN
 - B) natural rubber
 - C) neoprene
 - D) either A or C

- 5) A defective thermostat can cause the engine to operate _____. 5) _____
 - A) too hot
 - B) too cold
 - C) either A or B
 - D) neither A nor B

- 6) Which reading represents the lowest vacuum reading? 6) _____
 - A) 27 in. Hg
 - B) 28 in. Hg
 - C) 29 in. Hg
 - D) 500 microns

- 7) Which part **MUST** be used when refitting a vehicle from R-12 to R-134a refrigerant? 7) _____
 - A) A new condenser
 - B) A new service fitting and a retrofit label
 - C) A high pressure cutoff switch
 - D) Both B and C

- 8) What service procedure should be performed before recovering refrigerant from an A/C system? 8) _____
- A) Flush the radiator
 - B) The refrigerant should be identified
 - C) Recover all the refrigerant oil
 - D) Replace the drier
- 9) Technician A says to charge the system with refrigerant until the condenser temperature is equal to the ambient temperature plus 100 deg. F. Technician B says to charge the system with a manufacturer specified weight of refrigerant. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) An evaporator is being replaced on a vehicle. It is recommended that the _____ also be replaced at the same time. 10) _____
- A) blower motor
 - B) heater core
 - C) radiator
 - D) blower resistor