

1. Technician A says: R-134A refrigerant will have higher pressure readings than R-12 refrigerant at higher ambient temperatures. Technician B says: R-134A refrigerants will have lower pressure readings than R-12 at higher ambient temperatures. Who is correct?
 - A. Technician A
 - B. Technician B
 - C. Both A and B
 - D. Neither A nor B

2. What is the function of the pressure cycling switch on a CCOT type air conditioning system?
 - A. turn off the compressor when system pressure is low
 - B. turn on the compressor when system pressure is low
 - C. regulate the flow of refrigerant to the thermal expansion valve (TXV)
 - D. regulate the flow of refrigerant from the filter/receiver drier

3. Technician A says: Only EPA certified, electrically operated, liquid filled, pressure-vacuum gauges (type JK-1999), may be used jointly in conjunction with both R-12 and R-134A hose systems. Technician B says: Separate sets of hoses and separate gauges must be used when servicing vehicles with different refrigerants. But the same recharging and recycling equipment with a single R-12 (Freon) reclaiming tank may be used with either system. Who is correct?
 - A. Technician A
 - B. Technician B
 - C. Both A and B
 - D. Neither A nor B

4. The rear air conditioning system of a single compressor system operates properly, but the front unit only blows warm air. During troubleshooting, the technician finds the front evaporator case is warm. Technician A says: The clutch cycling switch could be defective. Technician B says: The orifice tube could be clogged. Who is correct?
 - A. Technician A
 - B. Technician B
 - C. Both A and B
 - D. Neither A nor B

5. When servicing an ambulance air conditioning system, when can R-134A refrigerant be substituted for R-12?
 - A. in an emergency involving the need for immediate ambulance cooling
 - B. if the driver's compartment A/C system is separate from the patient compartment system
 - C. if the systems are completely evacuated and recharged using a mix of R-134A and LPG-286A
 - D. R-134A cannot be used as a drop-in substitute for R-12

Answer Key

1. a 2. a 3. d 4. b 5. d