

Commercial Refrigeration QUIZ

Chapter 2 – Evaporators

Name: _____ Number Correct: _____ Scored by: _____

1. The difference between the evaporator temperature and the suction line temperature at the coil outlet is:
a. superheat. b. latent heat. c. artificial heat. d. extended heat.
2. A typical **evaporator temperature** in an air conditioning system with 75° return air is:
a. 25°. b. 40°. c. 55°. d. 75°.
3. A typical **evaporator temperature** in a 35° medium temperature walk-in system is:
a. 25°. b. 40°. c. 55°. d. 75°.
4. The **TD** (temperature difference) between evaporator and box temperature of a reach-in is:
a. 35°. b. 20°. c. 10°. d. 5°.
5. The greater the evaporator **TD** the _____ moisture is removed from the air passing over the evaporator.
a. more b. less
6. If an evaporator has less than 5° superheat it is considered to be _____.
a. starving. b. flooding. c. about normal.
7. If an evaporator has more than 20° superheat it is considered to be _____.
a. starving. b. flooding. c. about normal.
8. If an evaporator has distributor tubes coming off the TEV distributor it is a _____.
a. flooded evaporator.
b. cap-tube evaporator.
c. multiple-circuit evaporator.
d. stamped evaporator.
9. What is the temperature differential (cut-in to cut-out) of an air sensing thermostat in a medium temperature refrigeration unit?
a. 2° b. 5° c. 10° d. 20°
10. A walk-in at 35° box temperature would require what type of defrost?
a. Off cycle
b. Planned defrost – clock only
c. Planned defrost with clock and electric heaters