Skill Development Exercises for Chapter 8

8-1. Combustibility and toxicity ratings are normally based on tests of:

a) New materials b) Old work c) Fibrous materials d) All of the above

Answer: a

8-2. In the private sector, new construction is normally governed by:

a) State laws b) Local ordinances c) Codes d) All of the above

Answer: d

8-3. Zone temperature controls are required for all systems, with special requirements for perimeter heating systems.

a) True b) False

Answer: a, True

8-4. Which of the following standards applies to structures not exceeding 25,000 ft^3 in volume?

a) *NFPA 90A* b) *NFPA 90B* c) *NFPA 96* d) All of the above

Answer: b

8-5. SMACNA *HVAC Duct Construction Standards* covers:

a) Basic duct construction b) Hangers and supports

c) Duct sealing classifications d) All of the above

Answer: d

8-6. *ASHRAE Standard 90.1* has a somewhat easier compliance route for many small air-conditioned buildings.

a) True b) False

Answer: a, True

8-7. Compliance with *ASHRAE Standard 90.1*, Section 6, assures a minimum level of HVAC system performance.

a) True b) False

Answer: a, True

8-8. HVAC designers must know which code compliance obligations affect their designs.
a) True b) False

Answer: a, True

8-9. HVAC systems are one of the most significant energy users in the types of buildings covered by *ASHRAE Standard 90.1*.
a) True b) False

Answer: a, True

8-10. A very efficient HVAC system could have an overall efficiency greater than one.
a) True b) False

Answer: a, True