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Chapter 1 Careers and Certification

MULTIPLE CHOICE

1. Which of the following occupations is part of the Design/Preconstruction career pathway?
   A. HVACR installer
   B. HVACR (mechanical) drafter
   C. Pipe fitter
   D. Sheet metal worker

   ANS: B PTS: 1 REF: Section 1.2

2. Installing refrigeration units on the roof of a new grocery store would be completed by someone in an occupation found in the ____ pathway.
   A. construction
   B. design/preconstruction
   C. maintenance/operations
   D. None of the above.

   ANS: A PTS: 1 REF: Section 1.2

3. Which of the following occupations is likely to spend the most time using computer-aided design software?
   A. HVACR drafter
   B. HVACR engineer
   C. HVACR installer
   D. HVACR service technician

   ANS: A PTS: 1 REF: Section 1.2

4. Which of the following occupations is likely to spend the most time checking refrigeration and air-conditioning systems to ensure proper performance?
   A. HVACR drafter
   B. HVACR engineer
   C. HVACR installer
   D. HVACR service technician

   ANS: D PTS: 1 REF: Section 1.2

5. Performing load calculations to specify equipment for a refrigeration system for a new grocery store would be completed by someone in an occupation found in the ____ pathway.
   A. construction
   B. design/preconstruction
   C. maintenance/operations
   D. None of the above.

   ANS: B PTS: 1 REF: Section 1.2

6. Which of the following occupations is most likely to know the cost of materials and labor needed to install a large ductwork system for a commercial building?
   A. Building inspector
   B. Energy auditor
   C. Estimator
   D. HVACR drafter

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ANS: C PTS: 1 REF: Section 1.2

7. The building inspection process normally begins ____.
   A. before construction, with plans and specifications submitted for approval
   B. during construction, when equipment arrives at the work site
   C. during construction, after equipment is installed but before it is in operation
   D. after construction

   ANS: A PTS: 1 REF: Section 1.2

8. Networking is the process of ____.
   A. completing the education or certification requirements for a position
   B. connecting with other individuals within a group or industry
   C. moving from one position to another that requires additional skill and knowledge
   D. starting your own company

   ANS: B PTS: 1 REF: Section 1.2

9. Motivating others by having a positive attitude is an example of ____.
   A. leadership
   B. punctuality
   C. taking initiative
   D. teamwork

   ANS: A PTS: 1 REF: Section 1.4

10. Which of the following occupations is most likely to write a report for a client?
    A. Building inspector
    B. Energy auditor
    C. Estimator
    D. HVACR drafter

    ANS: B PTS: 1 REF: Section 1.2

TRUE/FALSE

11. An entry-level HVACR technician position may require a candidate to possess a certification or associate's degree.

    ANS: T PTS: 1 REF: Section 1.6

12. Maintenance, such as cleaning and checking a residential air-conditioning system in the spring, is classified as installation work.

    ANS: F PTS: 1 REF: Section 1.2

13. Normally, an HVACR installer selects the equipment for a commercial air-conditioning system.

    ANS: F PTS: 1 REF: Section 1.2

14. A blower door test may be performed as part of an energy audit.

    ANS: T PTS: 1 REF: Section 1.2

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15. Building inspectors make suggestions about the installation of HVAC systems, but the HVAC installer makes the final decisions on how the system is installed.

ANS: F PTS: 1 REF: Section 1.2

16. The number of available HVACR technician positions is expected to grow in the next five years.

ANS: T PTS: 1 REF: Section 1.2

17. There is little opportunity for advancement from an entry-level HVACR technician position.

ANS: F PTS: 1 REF: Section 1.2

18. Employers are not allowed to view a job candidate's social media posts, blog posts, and website comments.

ANS: F PTS: 1 REF: Section 1.3

19. Your cover letter should be generic so you do not need to modify it for each position you apply to.

ANS: F PTS: 1 REF: Section 1.3

20. During a professional interview, it is best if the candidate being interviewed does not ask any questions of the interviewer.

ANS: F PTS: 1 REF: Section 1.3

21. Once you have obtained HVACR certification, you no longer need to learn about HVACR equipment and systems.

ANS: F PTS: 1 REF: Section 1.4

22. Certifications are no longer useful once you have obtained an entry-level position.

ANS: F PTS: 1 REF: Section 1.6

23. Most HVACR instructors begin their careers by attaining a bachelor's degree in education.

ANS: F PTS: 1 REF: Section 1.2

24. It is best to always mail a printout of your cover letter and résumé to potential employers to secure a full-time job.

ANS: F PTS: 1 REF: Section 1.3

25. Those who pursue a career in the HVACR field follow the same career path.

ANS: F PTS: 1 REF: Section 1.1

26. The American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) offers student memberships.

ANS: T PTS: 1 REF: Section 1.5

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