

***Modern Refrigeration and Air Conditioning 21st
edition Althouse Test Bank***

SKU: 9781635638776-TEST-BANK

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

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

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