

Free Trial Final Exam – Answer Guide

NOTE: The Practice Exam answers are randomized and change each time you begin the exam. The Answer Guide questions are set in place. Therefore, a search is required when locating the question that you want to review. Type the “CTRL F” keys on your keyboard to open a search tab. From here, begin typing the question that you missed in the search bar to locate that question.

1. A rafter that extends perpendicularly from the top of an outside wall to the ridge board is what type of rafter?
 - a. Common rafter pg. 13
 - b. Standard rafter
 - c. High pitch rafter
 - d. None of the above
2. To qualify for UL classification, a shingle must not do which of the following?
 - a. Allow continued flaming beneath the roof deck pg. 75
 - b. Allow the roof to slope to areas that do not drain properly
 - c. Cause the roof to be a color not allowed by the HOA
 - d. None of the above
3. Underlayment serves which of the following purposes?
 - a. It acts as an added weather protection
 - b. It provides additional insulation
 - c. It cushions heavy roofing units
 - d. All of the above pg. 35
4. Objects with leading edges more that _____ inches and not more than _____ inches above the floor shall protrude _____ inches maximum horizontally in the circulation path.
 - a. 27, 80, 4 307.2
 - b. 12, 48, 2
 - c. 12, 80, 4
 - d. 27, 96, 2
5. What is the minimum width access aisles servicing car and van parking spaces be?
 - a. 48”
 - b. 36”
 - c. 80”
 - d. 60” 502.4.2
6. Passenger loading zones shall provide a vehicular pull up space of how many inches minimum in length?
 - a. 20’ 503.2
 - b. 24’
 - c. 12’
 - d. 18’

7. Passenger loading zones shall provide a vehicular pull up space of how many inches minimum in width?
 - a. 48"
 - b. 80"
 - c. 96" 503.2
 - d. 36"
8. Openings in floor surfaces shall be of a size that does not permit the passage of what size diameter sphere?
 - a. $\frac{1}{4}$ "
 - b. $\frac{1}{2}$ " 302.3
 - c. 1"
 - d. 2"
9. What is the minimum distance that handrails should extend horizontally above the landing beginning directly above the landing nosing?
 - a. 8"
 - b. 10"
 - c. 16"
 - d. 12" 505.10.2
10. Top gripping surfaces of handrails shall be ____ inches minimum and ____ maximum vertically above stair nosings, ramp surfaces and walking surfaces.
 - a. 32, 36
 - b. 32, 34
 - c. 34, 38 505.4
 - d. 36, 38
11. What is the minimum width that aisles servicing vehicle pull-up spaces be in new buildings and facilities?
 - a. 96"
 - b. 67" 503.3.2.1
 - c. 48"
 - d. 80"
12. Eccentric loads delivered to the columns by the beam reactions can cause column top deformations of ____ to ____ inches.
 - a. 2, 4
 - b. 4, 8
 - c. $\frac{1}{2}$ ", 1
 - d. 1, 2 2.3.3 Responsibility
13. The frame of supported scaffold shall be tied into the building or structure at a max of ____ feet vertically and ____ feet horizontally.
 - a. 20, 30 3.8.3.3 Supported Scaffold
 - b. 10, 20
 - c. 5, 8
 - d. 5, 10
14. How long does it take for grout to cure for dowel connections to be structurally sound?
 - a. 7-28 days 2.4.2.4 Dowel/Anchor Bolt Connections

- b. 7-14 days
 - c. 10-14 days
 - d. 14-28 days
15. Most grouts are not designed to be placed below what temperature?
- a. 44° F
 - b. 48° F
 - c. 50° F
 - d. 40° F 2.4.2.4 Dowel/Anchor Bolt Connections
16. A stationary, anchored boom structure suitable for handling relatively heavy loads, at medium radii is which of the following?
- a. Scaffold
 - b. Crane
 - c. Derrick 3.5.4 Derrick
 - d. Supported Scaffold
17. For erection of precast units, the sling angle shall never be less than how many degrees?
- a. 33°
 - b. 48° 2.2.4 Sling and Spreader Selection
 - c. 40°
 - d. 50°
18. No more than ____ workers should work at one time on a swing stage designed for 500 lbs.
- a. 1
 - b. 2 3.8.3.2 Swinging Scaffolds
 - c. 4
 - d. None of the above
19. What should be the minimum bolt size used for any precast concrete connection?
- a. $\frac{1}{4}$ "
 - b. $\frac{3}{4}$ "
 - c. $\frac{1}{2}$ " 2.4.2.1 Bolted Connections
 - d. 1"