



Final Exam
Continuing Education Course #256
Building Rebar Inspection

1. What is a common strength for rebar?
 - ☐ a. 6000 psi
 - ☐ b. 20,000 psi
 - ☐ c. 60,000 psi
 - ☐ d. 200,000 psi
2. A rebar that measures 0.875 inches in diameter is a:
 - ☐ a. # 5 bar
 - ☐ b. # 6 bar
 - ☐ c. # 7 bar
 - ☐ d. # 8 bar
 - ☐ e. # 9 bar
3. Which is a typical pile material?
 - ☐ a. concrete
 - ☐ b. steel
 - ☐ c. timber
 - ☐ d. All of the above
4. Which drawing number would be a Structural Design Drawing?
 - ☐ a. A-405
 - ☐ b. R-307
 - ☐ c. S-106
 - ☐ d. SD-204
5. Which items are usually encountered in a pile cap?
 - ☐ a. Temporary Openings
 - ☐ b. Permanent Openings
 - ☐ c. Utility Conduits
 - ☐ d. None of the above
6. What is the standard size for construction drawing prints?
 - ☐ a. 8 1/2 " x 11"
 - ☐ b. 11" x 17"
 - ☐ c. 18" x 24"
 - ☐ d. 24" x 36"
7. Which bars would be acceptable substitutes for # 7 bars if # 7 were unavailable?
 - ☐ a. # 8
 - ☐ b. # 6

- ☐ c. # 5
- ☐ d. # 4

8. Which American Concrete Institute (ACI) Section concerns Details?

- ☐ a. 314-98
- ☐ b. 315-99
- ☐ c. 316-79
- ☐ d. 315-15

9. What is a reasonable clearance distance for rebar above bottom soil?

- ☐ a. 1 inch
- ☐ b. 3 inches
- ☐ c. 6 inches

10. What size coarse concrete aggregate is typical for tight clearance spaces?

- ☐ a. 1/8 inch
- ☐ b. 1/2 inch
- ☐ c. 1 1/2 inch
- ☐ d. 2 inch minus

11. How far should a steel H pile protrude from the ground into the future concrete?

- ☐ a. should be flush with the ground
- ☐ b. 2 inches
- ☐ c. 6 inches
- ☐ d. does not make a difference

12. How might ironworkers lift heavy rebar mats over concrete brick spacers?

- ☐ a. jacks
- ☐ b. crane
- ☐ c. crowbar
- ☐ d. all of the above

13. Which is not a common Hook angle?

- ☐ a. 90 degrees
- ☐ b. 180 degrees
- ☐ c. 360 degrees

14. Which might be a usual building item coordinate location?

- ☐ a. C / A
- ☐ b. 41 feet / 17 feet
- ☐ c. 4 / D
- ☐ d. None of the above

15. What is a typical stirrup tie enclosure angle?

- ☐ a. 25 degrees
- ☐ b. 35 degrees
- ☐ c. 125 degrees
- ☐ d. 135 degrees

16. Which item is placed first in a form saver dowel assembly?

- ☐ a. the threaded socket portion
 - ☐ b. the screw end portion
 - ☐ c. the smooth greased bar portion
 - ☐ d. None of the above
17. If a Grade Beam must transition to a lower stepped down elevation, what type of rebar is used?
- ☐ a. S rebars
 - ☐ b. R rebars
 - ☐ c. smooth rebars
 - ☐ d. Z rebars
18. In a typical Grade Beam, which are the smaller sized bars?
- ☐ a. Horizontal Top and Bottom
 - ☐ b. Stirrups
 - ☐ c. All bars should be the same
19. Which building component cannot be inspected with all forms in place?
- ☐ a. Pile Caps
 - ☐ b. Grade Beams
 - ☐ c. Short frost walls
 - ☐ d. Tall multistory walls
20. Where might additional wall rebar be required?
- ☐ a. corners
 - ☐ b. openings greater than 12"
 - ☐ c. construction joints
 - ☐ d. all of the above
21. What type of bar might be placed around a louver opening?
- ☐ a. candy canes
 - ☐ b. smooth greased bars
 - ☐ c. standees
 - ☐ d. wire mesh
22. Where should wall construction joint limits of a concrete pour be located?
- ☐ a. at all window openings
 - ☐ b. in the center of louvers
 - ☐ c. away from piers or pilasters
 - ☐ d. at all wall corners
23. Which depth is excessive for a typical vibrator?
- ☐ a. 6 feet
 - ☐ b. 10 feet
 - ☐ c. 30 feet
 - ☐ d. None of the above
24. Which item cannot be moved over easily at the top of a column support pier?
- ☐ a. the vertical # 9 rebar with 90 degree hooks
 - ☐ b. the # 4 outside bar stirrups
 - ☐ c. the # 4 inside bar stirrups
 - ☐ d. the column anchor bolts

25. Which methods are recommended?

- ☐ a. Wet Sticking
- ☐ b. drilling and epoxy instead of embedded dowels
- ☐ c. form saver dowels
- ☐ d. All of the above

26. If concrete to be poured will be 3000 psi compressive strength which are allowable within?

- ☐ a. concrete bricks rated at 3500 psi
- ☐ b. plastic electrical data conduit
- ☐ c. ironworker tie wire and straps
- ☐ d. All of the above

27. How many overlapping 6" x 6" panels of welded wire should placed?

- ☐ a. One
- ☐ b. Two
- ☐ c. Four
- ☐ d. Ten

NOTE: The following question was revised on 26 June 2018

28. For a masonry wall and housekeeping pad, what may concern the rebar inspector?

- ☐ a. the vertical dowels through the center of the blocks
- ☐ b. the drilled into slab dowels for the minor pad reinforcement
- ☐ c. None of the above
- ☐ d. Both a and b above

29. Safety items for the rebar inspector include:

- ☐ a. yellow green or orange vest
- ☐ b. hard hat and solid work boots
- ☐ c. All of the above
- ☐ d. None of the above

30. When walking across top slab bars

- ☐ a. walk slowly
- ☐ b. walk only on them, if walking around is infeasible
- ☐ c. be prepared to step on non tie wired rebar that will give way
- ☐ d. All of the above