

RCC Structures Design Interview Questions and Answers Pdf

1. IS 456 – 2000 recommends that the unsupported length of any column should not exceed _____ times the least lateral dimension of the column.

- a. 15
- b. 25
- c. 36
- d. 60

Ans: D

2. If the limit state of collapse flexure, the maximum compressive strain in concrete, in axial compression is

- a. 0.0015
- b. 0.002
- c. 0.003
- d. 0.0035

Ans: B

3. Instead of laterals, if helical reinforcements are used the strength of the column

- a. is decreased by 1.05 times
- b. is increased by 1.05 times
- c. is increased by 1.1 times
- d. is decreased by 1.1 times

Ans: B

4. IS 456 – 200 recommends that in any column a minimum of _____ reinforcement should be used

- a. 0.8%
- b. 1.0%
- c. 1.2%
- d. 1.5%

Ans; A

5. Where bars from the column below are to be lapped with those in the column under consideration, the steel shall usually not exceed

- a. 3%
- b. 4%
- c. 6%
- d. 8%

Ans; B

6. Minimum number of bars to be provided in a rectangular section column are

- a. 4
- b. 6
- c. 8
- d. 12

Ans: A

7. The minimum number of bars to be provided in a circular column is
- a. 4
 - b. 6
 - c. 8
 - d. 12

Ans; B

8. In a column minimum diameter of the bar to be used is
- a. 10 mm
 - b. 12 mm
 - c. 16 mm
 - d. 20 mm

Ans; B

9. Spacing of longitudinal bars measured along the periphery of R.C. column shall not exceed
- a. 200 mm
 - b. 300 mm
 - c. 400 mm
 - d. 450 mm

Ans: B

10. The pitch of ties in the R.C. column should not be more than
- a. Least lateral dimension of the column
 - b. $16 \times$ the diameter of smallest longitudinal bar
 - c. 300 mm
 - d. All the above

Ans: D