

RCC Structures Design MCQ Questions and Answers Pdf

1. Concrete surfaces exposed to sea water spray is considered exposure condition

- a. Extreme
- b. Very severe
- c. Severe
- d. Moderate

Ans: B

1. Concrete surface buried under non aggressive soil/groundwater is considered exposed to condition

- a. Moderate
- b. Severe
- c. Very severe
- d. Extreme

Ans: A

2. M 45 concrete is regarded as

- a. Ordinary concrete
- b. Standard concrete
- c. High strength concrete
- d. Ultra high strength concrete

Ans: B

3. M 75 concrete is regarded as

- a. Ordinary concrete
- b. Standard concrete
- c. High strength concrete
- d. Ultra high strength concrete

Ans: C

4. Which one of the following is not the diameter of market form of reinforcing bar?

- a. 16 mm
- b. 18 mm
- c. 20 mm
- d. 22 mm

Ans: B

5. Bars larger than _____ diameter should not be bundled.

- a. 22 mm
- b. 25 mm
- c. 28 mm
- d. 32 mm

Ans: D

6. Which one of the following is not the diameter of the market form of reinforcing bars?

- a. 28 mm
- b. 30 mm
- c. 32 mm
- d. 36 mm

Ans: B

7. In the working stress method of R.C.C. design which one of the following is correct?

- a. Shear deformations are neglected
- b. Stress strain relation is linear, both for steel and concrete
- c. The modular ratio between steel and concrete remains constant
- d. All the above

Ans: D

8. In the working stress method of R.C.C. design factor of safety used for concrete and steel are respectively

- a. 3 and 1.85
- b. 4 and 1.85
- c. 4 and 2
- d. 3 and 1.5

Ans: A

9. The failure criteria in the ultimate load method of design is

- a. Stress
- b. Strain
- c. Load
- d. All the above

Ans: B

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