

**QUIZ NO: 448**

**TOPIC: REINFORCED CEMENT CONCRETE**

**DATE: 28/05/2021**

1. Prestressing losses in post – tension and pre-tensioned beams are respectively?

[1] 15% and 20%

[2] 20% and 15%

[3] 15% and 15%

[4] 20% and 20%

**Answer : A**

2. Side face reinforcement shall be provided in the reinforced concrete beam when depth of web in the beam exceeds?

[1] 500 mm

[2] 750 mm

[3] 1000 mm

[4] 1200 mm

**Answer : B**

3. Drops are provided in flat slab to resist?

[1] Bending moment

[2] Thrust

[3] Shear

[4] Torsion

**Answer : A**

4. Flexural collapse in over reinforced beams is due to?

[1] Primary compression failure

[2] Secondary compression failure

[3] Primary tension failure

[4] Bond failure

**Answer :A**

5. As per IS 456, the effective length of a cantilever shall be taken as?

- [1] clear span
- [2] clear span + (effective depth/2)
- [3] clear span + effective depth
- [4] clear span + effective width

**Answer : B**

6. Maximum spacing of vertical reinforcement in RCC wall should not exceed?

- [1] Thickness of wall.
- [2] 1.5 times the thickness of wall.
- [3] 2 times the thickness of wall.
- [4] 3 times the thickness of wall.

**Answer : D**

7. The minimum clear cover (in mm) for the main reinforcement in column, according to IS: 456 – 2000 is?

[1] 20

[2] 25

[3] 40

[4] 50

**Answer : C**

8. The method of prestressing concrete in which prestressing steel is tensioned against the hardened concrete is?

[1] Pre tensioning

[2] Post tensioning

[3] Initial prestressing

[4] Jack tensioning

**Answer : B**

9. The diameter of longitudinal bars of a RCC column should never be less than

- [1] 6 mm
- [2] 8 mm
- [3] 10 mm
- [4] 12 mm

**Answer : D**

10. The yield stress of a corrugated bar as compared to an ordinary mild steel bar is nearly?

- [1] 50% more
- [2] 25% more
- [3] 50% less
- [4] 25% less

**Answer : A**

Join our social media platforms

