

## QUIZ NO: 355

## TOPIC: REINFORCEMENT CEMENT CONCRETE

DATE: 27/10/2020

1. The flexural strength of M30 concrete as per IS: 456 – 2000 is?

- [1] 3.83 MPa
- [2] 5.47 MPa
- [3] 21.23 MPa
- [4] 30.0 MPa

**Answer : A**

2. If the area of tension reinforcement provided is less than that required for a balance section, then the RCC beam section is called?

- [1] Over reinforced
- [2] Neutral reinforced
- [3] Under reinforced
- [4] Bottom reinforced

**Answer : C**

3. The limits of percentage of the longitudinal reinforcement in a column is given by?

[1] 0.15% to 2%

[2] 0.8% to 4%

[3] 0.8% to 6%

[4] 0.8% to 8%

**Answer : C**

4. If a slab is supported on two opposite ends only then the slab is known as .....

[1] Flat slab

[2] Two way slab

[3] One way slab

[4] Void slab

**Answer : C**

5. Bond strength between steel and concrete is due to?

- [1] Friction
- [2] Adhesion
- [3] Both friction & adhesion
- [4] None of these

**Answer : C**

6. In the limit state design, the maximum limit imposed by IS: 456 – 2000 on the redistribution of moments in statically indeterminate beam is?

- [1] 10%
- [2] 15%
- [3] 20%
- [4] 30%

**Answer : D**

7. A reinforced concrete slab is 75mm thick. The maximum size of reinforcement bar that can be used is?

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

**Answer : C**

8. 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**

9. Drops are provided in flat slab to resist?

[1] Bending moment

[2] Thrust

[3] Shear

[4] Torsion

**Answer : C**

10. 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**

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