

**QUIZ NO: 546**

**TOPIC: REINFORCED CEMENT  
CONCRETE**

**DATE: 25/01/2022**

1. What is the permissible limits for construction of suspended matter in water?

- [A] 200mg/l
- [B] 2000mg/l
- [C] 3000 mg/l
- [D] 500 mg/l

**Answer: B**

2. The formwork should be sufficiently strong enough to bear the \_\_\_\_\_ of weight concrete as well as the weights of the equipment, labour, etc.

- [A] Live load
- [B] Dead load
- [C] Wind load
- [D] Snow load

**Answer: B**

**3. The acceptable limit for the safety & serviceability requirements before failure:**

- [A] Braking point
- [B] Failure point
- [C] Limit state
- [D] Ductility

**Answer: C**

**4. The yield stress of a twisted bar compared to ordinary MS bar is nearby:**

- [A] 50% more
- [B] 25% more
- [C] 50% less
- [D] 25% less

**Answer: A**

**5. The maximum area of compression reinforcement in a beam of cross section  $B \times D$  is limited to**

- [A]  $0.002BD$
- [B]  $0.03 BD$
- [C]  $0.04 BD$
- [D]  $0.05 BD$

**Answer: C**

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**6. In a rectangular beam maximum shear stress occurs at**

- [A] Top
- [B] Bottom
- [C] Neutral axis
- [D] None

**Answer: C**

**7. The ratio of the diameter of reinforcing bars and the slab thickness is**

- [A]  $1/4$
- [B]  $1/5$
- [C]  $1/6$
- [D]  $1/8$

**Answer: D**

**8. Drops are provided in flat slabs to resist**

- [A] Bending moment
- [B] Thrust
- [C] Shear
- [D] Torsion

**Answer: C**

**9. The percentage of reinforcement in case of slabs, when high strength deformed bars are used is not less than**

[A] 0.15

[B] 0.12

[C] 0.3

[D] 1

**Answer: B**

**10. The minimum number of bars in a circular RC column**

[A] 4

[B] 6

[C] 8

[D] 10

**Answer: B**

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