

## QUIZ NO: 773

### TOPIC: REINFORCED CEMENT CONCRETE

DATE: 14/11/2023

1. Formation of inclined cracks at near the support of beam is

- [A] Shear fracture
- [B] Shear deformation
- [C] Diagonal tension
- [D] All of these

**Answer: D**

2. Width of flange of a T beam is given by \_\_\_\_\_

- [A]  $B_f = + b_w + 6D_f$
- [B]  $B_f = + b_w + 3D_f$
- [C]  $B_f = + b_w + 6D_f$
- [D] None of these

**Answer: A**

**3. Which type of reinforced section cause sudden failure of structural member?**

- [A] Balanced
- [B] Over reinforced
- [C] Under reinforced
- [D] All of these

**Answer: B**

**4. Minimum area of tension reinforcement in Fe 500 in beams**

- [A] 0.1% gross area
- [B] 0.2% gross area
- [C] 0.3% gross area
- [D] None of these

**Answer: B**

**5. Minimum thickness of flat slab is:**

- [A] 100 mm
- [B] 125 mm
- [C] 150 mm
- [D] 200 mm

**Answer: B**

6. For medium workability compaction factor is \_\_\_\_\_

- [A] 0.75 to 0.8
- [B] 0.8 to 0.85
- [C] 0.85 to 0.92
- [D] 1

**Answer: C**

7. As the size of aggregate decreases, workability of mix will \_\_\_\_\_

- [A] decreases
- [B] increases
- [C] first increases then decreases
- [D] constant

**Answer: A**

8. What is the weight of 20 mm diameter reinforcement bar?

- [A] 2.61
- [B] 2.47
- [C] 1.58
- [D] 1.21

**Answer: B**

9. Sand is said to be unsuitable for making good concrete if its fineness modulus more than \_\_\_\_\_

- [A] 2.2
- [B] 2.9
- [C] 3.2
- [D] 3.4

**Answer: C**

10. Use of pozzolanic material

- [A] Increase the tensile strength of concrete
- [B] Decrease the tensile strength of concrete
- [C] Not effect the tensile strength of concrete
- [D] May increase or decrease the tensile strength of concrete

**Answer: A**

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