



9497498415 | 16 | 17

ANSWER KEY

**QUIZ NO: 786** 

#### **TOPIC: REINFORCED CEMENT CONCRETE**

**DATE: 21/12/2023** 

- 1. The length of reinforcement embedded in a concrete member to achieve the suitable bond strength between the steel and concrete is termed as
- [A] Hook length
- [B] Anchorage length
- [C] Development length
- [D] Cranked length

**Answer: C** 

- 2. If the development length in case of mild steel in tension is L, then the development length in case of mild steel in compression will be
- [A] 2L
- [B] 0.8L
- [C] 1.5L
- [D] 0.5L

Answer: B





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2. For AF° analysis at the analysed longth in nainforcing hors is acreal to
3. For 45° cranking, the cranked length in reinforcing bars is equal to:
[A] 0.414 D
[B] 0.435 D
[C] 0.445 D
[D] 0.525 D
Answer: A
4. The anchorage length for 00° hand is equal to:
4. The anchorage length for 90° bend is equal to:
[A] Diameter of bar
[B] 2 times diameter of bar
[C] 4 times diameter of bar
[D] 8 times diameter of bar
Answer: D
5. If the development length in case of mild steel in tension is L, then the development length in case of HYSD steel bar in compression will be
[A] 2L
[B] 0.8L
[C] 1.5L
[D] 0.5L

Answer: D

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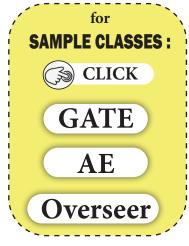


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- [A] Thermo Modified Treated
- [B] Thermo Mechanically Treated
- [C] Thermal Mechanic Twisted
- [D] Thermo Mechanically Twisted

**Answer: B** 

7. Compressive strength of concrete is tested using concrete cube of size

- [A] 5.07 cm
- [B] 7.06 cm
- [C] 15.0 cm
- [D] 17.5 cm

**Answer: C** 

8. Anchorage length for a reinforcing bar is taken equal to 12 times diameter of bar. Then angle of bend will be

- [A] 30°
- [B] 45°
- [C] 90°
- [D] 135°

**Answer: D** 





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- 9. In M20 concrete, cement: fine aggregate: coarse aggregate proportion is
  - [A] 1:4:8
  - [B] 1:1.5:3
  - [C] 1:2:4
  - [D] 1:3:6
  - **Answer: B**
- 10. The quantity of water required per 1 bag of cement for M20 concrete

is

- [A] 40 lit
- [B] 34 lit
- [C] 30 lit
- [D] 28 lit

**Answer: C** 

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