

QUIZ NO: 486

TOPIC: IS 456

DATE: 28/08/2021

1. Which is the best type of Mix in IS 456:2000

- [A] Nominal Mix
- [B] Standard Mix
- [C] Both a and b
- [D] None of the above

Answer: B

2. Creep coefficient of concrete at 1 year as per IS 456:2000

- [A] 1.1
- [B] 1.5
- [C] 2.6
- [D] 1.6

Answer: A

3. For a simply supported beam of span 12m, the effective depth as per IS 456:2000 is

- [A] 500mm
- [B] 600mm
- [C] 720mm
- [D] None

Answer: C

4. The design bond stress value of M30 mix as per IS 456:2000 is (N/mm²)

- [A] 1.5
- [B] 1.4
- [C] 1.7
- [D] 1.6

Answer: A

5. Maximum area of compression reinforcement as per IS 456:2000 shall be:

- [A] $0.04bD$
- [B] $<0.04bD$
- [C] $>0.04bD$
- [D] No codal clause

Answer: A

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6. Permissible shear stress in flat slab as per IS 456:2000 (Limit state method) is:

[A] $0.25v_{f_{ck}}$

[B] $0.16v_{f_{ck}}$

[C] $0.5v_{f_{ck}}$

[D] $0.7v_{f_{ck}}$

Answer: A

7. Maximum shear stress for M25 Grade of concrete as per IS 456:2000

[A] 1.6

[B] 1.8

[C] 1.9

[D] 2.2

Answer: C

8. Distribution bars spacing in a slab as per IS 456:2000 is

[A] $5d$

[B] 450 mm

[C] Minimum of a and b

[D] Maximum of a and b

Answer: C

9. Maximum steel for a column as per IS 456:2000 is

- [A] 6% bD
- [B] 8% bD
- [C] 4% bD
- [D] None of the above

Answer: A

10. The lever arm for a simply supported beam is (l is the effective span as centre to centre distance between supports or 1.15 time the clear span, whichever is smaller and D is the overall depth):

- [A] $0.2(l+2D)$
- [B] $0.2(l+1.5D)$
- [C] $0.5l$
- [D] l

Answer: A

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