

- (B) $\tau A_m t$
- (C) $2\tau A_m t$
- (D) $4\tau A_m t$

Answer: (C)

Q.No. 50 According to IS 456 - 2000, which one of the following statements about the depth of neutral axis $X_{u,bal}$ for a balanced reinforced concrete section is correct?

- (A) $X_{u,bal}$ depends on the grade of concrete only.
- (B) $X_{u,bal}$ depends on the grade of steel only.
- (C) $X_{u,bal}$ depends on both the grade of concrete and grade of steel.
- (D) $X_{u,bal}$ does not depend on the grade of concrete and grade of steel.

Answer: (B)

Q.No. 51 All the members of the planar truss (see figure), have the same properties in terms of area of cross-



section (A) and modulus of elasticity (E). For the loads shown on the truss, the statement that correctly represents the nature of forces in the members of the truss is:

- (A) There are 3 members in tension, and 2 members in compression
- (B) There are 2 members in tension, 2 members in compression, and 1 zero-force member
- (C) There are 2 members in tension, 1 member in compression, and 2 zero-force members
- (D) There are 2 members in tension, and 3 zero-force members

Answer: (D)

Q.No. 52 In a soil investigation work at a site, Standard Penetration Test (SPY) was conducted at every 1.5 m interval up to 30 m depth. At 3 m depth, the observed number of hammer blows for three successive 150 mm penetrations were 8, 6 and 9, respectively. The SPT N-value at 3 m depth, is

- (A) 23
- (B) 17
- (C) 15
- (D) 14

Answer: (C)

Q.No. 53 A body floating in a liquid is in a stable state of equilibrium if its

- (A) metacentre lies above its centre of gravity

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Gate 2question Paper Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Gate 2question Paper**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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