

114 TOP Design of Steel Structures - Civil Engineering Multiple Choice Questions and Answers List

Latest Design of Steel Structures Questions and Answers

1. The heaviest I-section for same depth is

- a) ISMB
- b) ISLB
- c) ISHB
- d) ISWB

Ans: c

2. Bending compressive and tensile stresses respectively are calculated based on

- a) net area and gross area
- b) gross area and net area
- c) net area in both cases
- d) gross area in both cases

Ans: b

3. If the thickness of thinnest outside plate is 10 mm, then the maximum pitch of rivets in tension will be taken as

- a) 120 mm
- b) 160 mm
- c) 200 mm
- d) 300 mm

Ans: b

4. In a gusseted base, when the end of the column is machined for complete bearing on the base plate, then the axial load is assumed to be transferred to base plate

- a) fully by direct bearing
- b) fully through fastenings
- c) 50% by direct bearing and 50% through fastenings
- d) 75% by direct bearing and 25% through fastenings

Ans: c

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