

QUIZ NO: 850

TOPIC: STEEL STRUCTURES

DATE: 20/08/2024

1. As compared to field rivets, the shop rivets are:

- [A] Weaker
- [B] Stronger
- [C] Equally strong
- [D] None of these

Answer: B

2. The size of a rivet is identified by:

- [A] Diameter of shank
- [B] Diameter of head
- [C] Length of shank
- [D] Shape of head

Answer: A

3. According to IS specifications, the maximum pitch of rivets in compression

is:

- [A] Lesser of 200mm and 12t
- [B] Lesser of 200mm and 16t
- [C] Lesser of 300mm and 32t
- [D] Lesser of 300mm and 24t

Answer: A

4. The difference between gross diameter and nominal diameter for the rivets up to 25mm diameter is:

- [A] 1.0 mm
- [B] 1.5 mm
- [C] 2.0 mm
- [D] 2.5 mm

Answer: B

5. Which of the following is a fillet weld?

- [A] Mitre
- [B] Square
- [C] Single J
- [D] Single bevel

Answer: A

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6. Which one of the following is the mode of failure in a fillet weld material?

- [A] Tension
- [B] Shear
- [C] Bearing
- [D] Crushing

Answer: B

7. The transverse fillet welds are designed for:

- [A] Shear strength
- [B] Compressive strength
- [C] Tensile strength
- [D] Bending strength

Answer: C

8. Design tensile strength of tension member is given by:

- [A] Rupture at a critical section
- [B] Yielding of gross section
- [C] Block shear of end region
- [D] Lesser of above three

Answer: D

9. End returns in a fillet weld are made _____

- [A] Equal to twice the size of weld
- [B] Equal to half the size of weld
- [C] Equal to the size of weld
- [D] Equal to thrice the size of weld

Answer: A

10. The distance between two bolts measured perpendicular to the direction of applied force is known as?

- [A] Pitch
- [B] Edge distance
- [C] Gauge
- [D] Staggered pitch

Answer: C

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