

**QUIZ NO: 328**

**TOPIC: STEEL STRUCTURES**

**DATE: 15/08/2020**

1. The Poisson's ratio of Structural Steel in IS 800-2007 is given as?

[1] 0.3

[2] 0.2

[3] 0.25

[4] 0.4

**Answer: a**

2. Which IS code gives the dimensions of the hot rolled sections used as beams and columns?

[1] IS 800

[2] IS 801

[3] IS 803

[4] IS 808

**Answer: d**

3. The permissible stresses for main structural steel members under dynamic loads should be increased by \_\_\_\_?

[1] 20%

[2] 25%

[3] 30%

[4] 33%

**Answer: d**

4. Junction between the flange and web of a beam is known as \_\_\_\_?

[1] Lap joint

[2] Butt joint

[3] Fillet

[4] Shear joint

**Answer: c**

5. The common assumption that all rivets in a joint share equal direct load is valid at a load \_\_\_\_?

[1] Below working load

[2] Equal to working load

[3] More than working load

[4] Equal to failure load.

**Answer: d**

6. The rivet line is also known as \_\_\_\_?

[1] Scribe Line

[2] Back Line

[3] Gauge Line

[4] All of these

**Answer: d**

7. The center to center maximum distance between bolts in tension members of thickness 10 mm is \_\_\_\_?

[1] 200 mm

[2] 160 mm

[3] 120 mm

[4] 100 mm

**Answer: b**

8. Which one of the following forces is used for the design of battens of a built up column?

[1] Axial Load

[2] Twisting Moment

[3] Vertical Shear

[4] Transverse Shear

**Answer: d**

9. The beams that span between adjacent columns are called?

- [1] Main Beam
- [2] Primary Beam
- [3] Girder
- [4] All of these

**Answer: d**

10. If the nominal diameter of a bolt is 18 mm, then what is the minimum width of a lacing bar according to IS 800:2007?

- [1] 36 mm
- [2] 45 mm
- [3] 54 mm
- [4] 72 mm

**Answer: c**

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