

Interview Questions

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Congratulations – you have completed **Structural Design
Specifications Online Test Set 1**.

You scored **5** points out of **10** points total.

Your answers are shown below:

1. Pick up the correct statement from the following:

- The diameter of a rivet, before driving is taken as the nominal diameter of the rivet

- The diameter of the rivet hole is taken as the gross area of the rivet
- For rivets of nominal diameters less than 25 mm, the diameter of the rivet hole is taken as the nominal diameter of the rivet plus 1.5 mm
- **All the above**

2. The spans of filler joists supporting a slab may be considered approximately equal if the longest span does not exceed the shortest span more than

- **5%**
- 10%
- 15%
- 25%

3. Removal of props under

- slabs spanning upto 4.5 m is 14 days
- beams spanning upto 6 m is 14 days
- slabs spanning upto 4.5 m is 7 days
- **All the above**

4. The permissible bending stresses P_{bet} for steel slab bases should not exceed

- 1500 kg/cm²
- 1650 kg/cm²
- **1800 kg/cm²**
- 1890 kg/cm²

5. The anchorage value of standard U-type hook of a reinforcing bar of diameter d in tension, is

- 4 d
- 8 d
- **12 d**
- 16 d

Holiday i
drive a



6. Pick up the correct statement from the following:

- For steel castings, the minimum tensile strength is 41 kg/mm² and minimum yield stress is 20.5 kg/mm²
- For high tensile steel, the minimum tensile strength is 58 kg/mm²
- For mild steel the minimum tensile strength is 44 kg/mm² and minimum elongation of 23% on a gauge length of 5.65A
- **All the above**

7. Moist sand may contain surface water by mass upto

- 1.25%
- 2.5%
- 5.0%
- **7.5%**

8. Pick up the correct statement from the following:

- The minimum pitch of rivets should not be less than 2.5 times the diameter of the rivet hole
- The distance between centres of two adjacent rivets in line with the direction of stress shall not exceed 16 t or 200 mm whichever is less in tension members
- **The distance between the centres of two adjacent rivets in line with the direction of stress shall not exceed 12 t or 203 mm whichever is less in compression members**
- All the above

9. Pick up the correct statement for the web stiffeners

- d is the distance between flange angles or the clear distance between flanges
- vertical stiffeners are spaced at a distance not greater than 1.5 d and not less than 0.33 d

- for horizontal stiffeners, d is the clear distance between the horizontal stiffener and the tension flange
- **all the above**

10. All reinforcement should be free from

- paints
- loose rust
- loose mill scales
- **All the above**

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PAUL

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