

Sample Question Paper

Course Name : Diploma in Architectural Assistantship

Course Code : AA

Semester : Fourth

Subject : Design of Steel Structure

Marks : 100

12488

Time : 3 Hrs.

Instructions:

1. All questions are compulsory.
2. Illustrate your answers with neat sketches wherever necessary.
3. Figures to the right indicate full marks.
3. Assume suitable data if necessary.
4. Preferably, write the answers in sequential order.

Q.1 a) Attempt any FOUR of the following.

08 Marks

- a) Sketch any four steel sections.
- b) Give designation of any two structural steel sections as per I. S.
- c) Write the use of slab base
- d) What is mean by gusseted base.
- e) Write the I.S. specification for the pitch of rivet.
- f) Write the formula for net sectional area of plate connected by staggered (zig-zag) riveting.

Q.1 b) Attempt any THREE of the following.

12 Marks

- a) Sketch the triple riveted double cover plate butt joint (Elevation & Section)
- b) Find the net sectional area of ISA 90 X 60 X 8 mm unequal angle longer leg
- c) connected with gusset plate by one rivet of 20 mm. diameter
- d) Sketch and label the diagram of gusseted base.
- e) Sketch and label the parts of following steel sections with I.S. designations I - Section, Channel Section.

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Panel Of Experts



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