



FACULTY OF ENGINEERING
B.E. 2/4 (Civil) I Semester (New) (Main) Examination, December 2011
BUILDING DRAWING

Time: 3 Hours]

[Max. Marks: 75

Note : Answer *all* questions from Part A. Answer *any five* questions from Part B.

PART – A

(25 Marks)

1. Sketch the conventional sign for concrete and steel. 3
2. Draw the isometric view of standard brick. 2
3. Draw the isolated footing with random rubble masonry. 3
4. Draw the plan for even course for 2 brick English bend. 3
5. List out the various types of stairs. 2
6. Sketch the elevation of standard paneled door. 3
7. List out the various types of roofs. 2
8. Draw the detailed enlarged riveted joint with bolts. 2
9. What are the different factors considered while drawing front view of a building for given sectors ? 3
10. Give the maximum and minimum sizes of a residential bed room, kitchen. 2

PART – B

(50 Marks)

11. Draw the isometric view of $1\frac{1}{2}$ brick Flemish band for minimum number of 4 layers. 10
12. Draw the plan and elevation of a partially panelled door to a scale of 1 : 40 for $1.2^m \times 2.1^m$. 10
13. Draw the plan and sectional elevation of a glazed windows of size $1.0^m \times 1.2^m$ to a scale 11 : 40. 10



- 14. Draw the sectional elevations of a RCC slab of 150 mm thick in both directions of span $4\text{m} \times 5\text{m}$. 10
- 15. Draw the queen post truss for a span of 18m . 10
- 16. For a suitable plan draw the sectional elevation for a RCC stair case to a scale of $1 : 50$. 10
- 17. For a given line diagram in fig. 1 develop the plan of a residential building the thickness of all walls are 300 mm. Provide doors and windows at appropriate location. 10

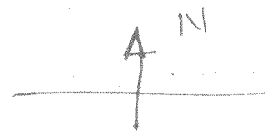
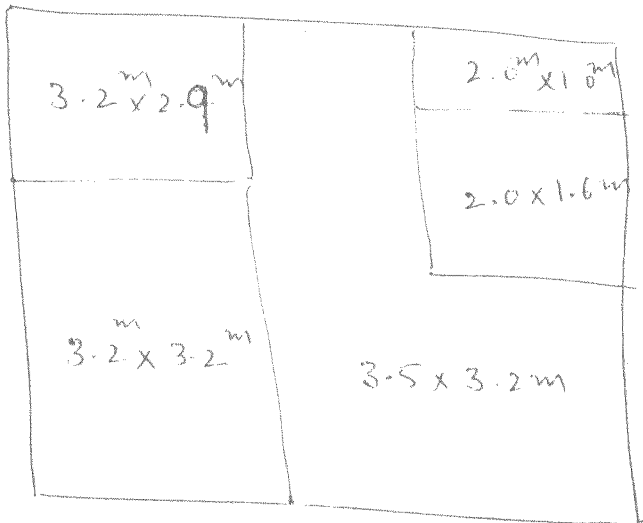


Fig. 1

All dimensions are in mm.