Code No. : 5325/N

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 $4^m \times 5^m$. **10**

15. Draw the queen post truss for a span of 18^m. **10**

16. For a suitable plan drawn 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**

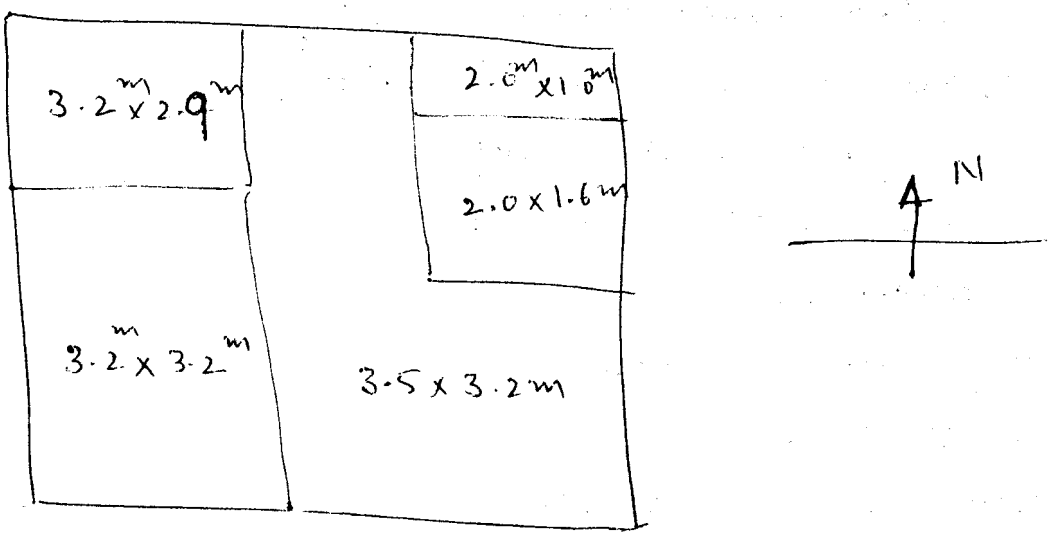

Fig. 1

All dimensions are in mm.