Code No. : 5325/N/S

FACULTY OF ENGINEERING
B.E. 2/4 (Civil) I Semester (New) (Suppl.) Examination, June 2012
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. Draw the sign convention for steel and wood. **3**
2. Draw the isometric view of cube. **2**
3. Draw the isometric view of a queen closer. **3**
4. Give the standard sizes of a institutional building doors and windows. **3**
5. Give the major functional difference between RC stair cases and steel stair cases. **3**
6. What are the different types of roof trusses ? **3**
7. Differentiate between RC sheet roof and shell roofs. **2**
8. Draw the plan of 1½ brick English bond for two layers. **2**
9. Why a section is considered in the drawing ? **2**
10. Draw the cross section of walls of ashlar masonry. **2**

PART – B **(5×10=50 Marks)**

11. Draw the isometric view of 1½ brick Flemish bond, the minimum number of layers is 6. **10**
12. Draw the plan and elevation of fully paneled door to a seat of 1 : 100, for 1.2 m × 2.1 m. **10**
13. Draw the plan, elevation and sectional elevation of a glazed window of size 1.2 m × 1.2 m. **10**

14. Draw the sectional elevation of a R.C.C. slab in both directions of span 5 m × 6 m and has the thickness of 125 mm. Sketch the reinforcement details. **10**

15. Draw the sectional elevation of a steel stair case for a suitable plan and scale. **10**

16. Draw the king post truss for a span 14 meters. **10**

17. For the following line diagram, plan a residential building with the thickness of all walls are 300 mm. Provide the doors and windows at the appropriate locations. **10**

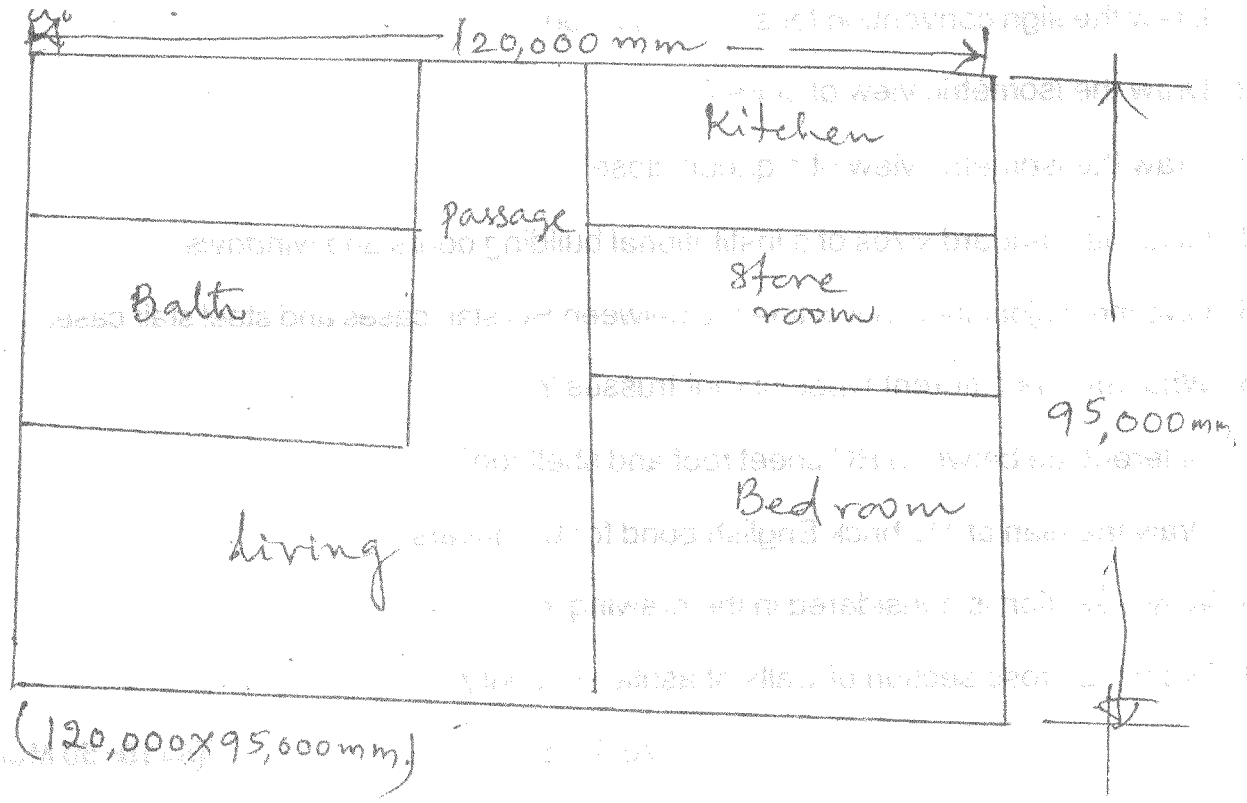

Fig. 1

Assume appropriate sizes of all Rooms