

## FACULTY OF ENGINEERING

B.E. 2/4 (Civil) I-Semester (Main) Examination, November 2013

Subject : Building Drawing

Time : 3 Hours

Max. Marks: 75

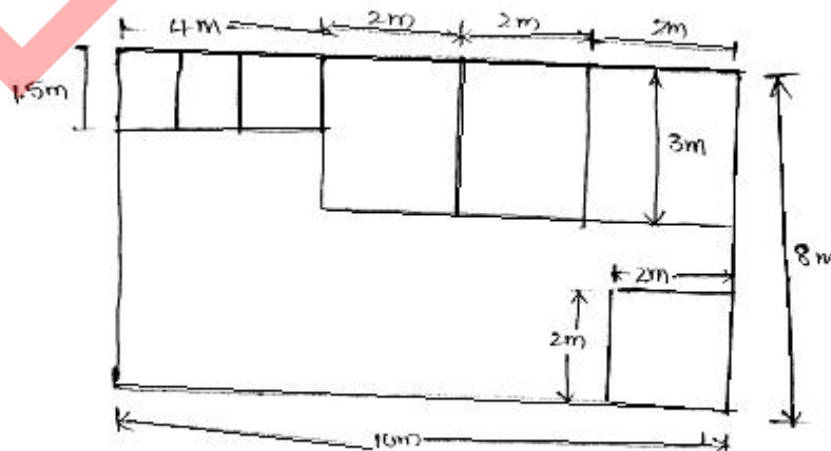
**Note: Answer all questions of Part - A and answer any five questions from Part-B.**

### PART – A (25 Marks)

1. Draw the conventional signs for cement concrete and wood.
2. Draw the symbols for western style closet and kitchen sink.
3. Draw the isometric view of a steel stair case.
4. Explain the importance of orientation in Building planning.
5. Draw the even course of a 2-brick English bond.
6. Draw the plan showing a quarter turn stair case.
7. Draw the sectional elevation of RCC slab showing main Reinforcement.
8. Draw the elevation of a glazed window.
9. Give a line diagram for a 3-bed room flat, showing various rooms.
10. Draw the sectional plan of ashlar masonry wall.

### PART – B (50 Marks)

11. Draw the plan, and sectional elevation of a RCC trapezoidal footing of size 1.5m x 1.5m.
12. Draw the plan and sectional elevation of a Bifurcated stair case to suitable scale.
13. Draw the plan, and section and elevation of a half-glazed wooden door of size 1.1m x 2.2m.
14. Draw the isometric view of a 1.½ brick English bond with 7 minimum of layers.
15. Draw the plan, elevation and sectional side views of a ventilator combined with a panelled window of size 1.2m x 1.4m.
16. Draw the king post truss for a span of 10m.
- 17.



thickness of external wall = 300mm      scale 1 : 60  
 thickness of internal wall = 200mm

Draw the plan for the given line diagrams for a office plot, provide standard doors and windows at appropriate locations.