

FACULTY OF ENGINEERING

B.E. 2/4 (Civil) I-Semester (Main) Examination, November / December 2012

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 sign convention for wood and glass. (3)
2. Draw the sectional top view of a isolated RCC footing. (3)
3. Give the standard sizes of doors and windows. (3)
4. Draw the odd course of a $1\frac{1}{2}$ bricks English bond. (3)
5. Draw the sectional elevation of a RCC slab. (3)
6. List out the various types of stairs. (2)
7. Draw the isometric view of king closer truss. (2)
8. Why detailed elevation is necessary in drawing? (2)
9. Give the maximum and minimum sizes of a residential bedroom. (2)
10. Draw the elevation of RR stone masonry. (2)

PART – B (5x10=50 Marks)

11. Draw the isometric view of 2 brick English bond with 5 as minimum number of layers. (10)
12. Draw the plan and elevation of Fully glazed door to a scale of 1:50 for 1.2m x 2.1m. (10)
13. Draw the plan, elevation and sectional side views for a panelled window of size 1.0m x 1.2m. (10)
14. Draw the sectional elevation of a RCC slab in both directions of span 4m x 5m, thickness is 150 mm. (10)
15. Draw the sectional elevation of wooden stair case for suitable plan and scale. (10)
16. Draw the kingpost truss for a span of 12m. (10)
17. Draw the plan for a given line diagram for a residential plot, provide standard doors and windows at appropriate locations. (10)
thickness of external wall = 300 mm
thickness of internal wall = 200 mm

Scale : 1: 60


