

31034 – Civil Engineering Drawing I

PART – A (3 MARK)

1. How line plan is prepared?
2. What are symbols and why they are necessary?
3. Name any six abbreviations used in building drawings.
4. What are the objects of bye-laws?
5. Write short note on Set back with its advantage.
6. Explain about plot coverage.
7. Explain about built up ratio
8. Define FSI
9. Write a note on lay out plan and key plan.
10. Name the various types of residential buildings.
11. Name the furniture required in living room and bed room
12. What are the positions of stair in a building?
13. What is sump? How is it constructed?
14. Define rolling shutter and ramp
15. State the requirements of Bank and Library
16. Write a short note on Landscape architecture.
17. Draw the symbols for brick, RCC, Staircase
18. Draw the conventional signs for RCC, Stone and Timber in cross section.

PART – B (9 MARK)

1. Draw the elevation of Fully panelled double leaf door.
2. Draw the elevation of Fully panelled single leaf door.
3. Draw the elevation of Flush door.
4. Draw the elevation of Fully panelled window with grill.
5. Draw the elevation of Partly glazed and partly paneled window.
6. Draw the elevation of Lean to roof.
7. Draw the elevation of King post truss.
8. Draw the elevation of Steel roof truss.
9. Draw the elevation of Rain water harvesting recharging into the ground by shallow system.
10. Draw the elevation of Rain water harvesting recharging into the ground by percolation system.

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PART – C (60 MARK)

1. Prepare the Plan, Section, Elevation of A Reading room with RCC flat roof to suitable scale.
2. Prepare the Plan, Section, Elevation of A house with single bed room and attached bathroom with RCC flat roof to suitable scale.
3. Prepare the Plan, Section, Elevation of A Residential building with two bed rooms with RCC flat roof to suitable scale.
4. Prepare the Plan, Section, Elevation of A house with single bed room and hall with partly tiled and partly RCC flat roof to suitable scale.
5. Prepare the Plan, Section, Elevation of A two roomed house with RCC slope roof with gable ends to suitable scale.
6. Prepare the Plan, Section, Elevation of A house with fully tiled roof with hips and valleys to suitable scale.
7. Prepare the Plan, Section, Elevation of A small workshop with north light steel roof truss over RCC columns to suitable scale.
8. Prepare the Plan, Section, Elevation of A primary health center for rural area with RCC flat roof to suitable scale.
9. Prepare the Plan, Section, Elevation of A Village library building with RCC flat roof to suitable scale.
10. Prepare the Plan, Section, Elevation of A small Restaurant building with RCC flat roof to suitable scale.
11. Prepare the Plan, Section, Elevation of A single storied school building with RCC flat roof to suitable scale.
12. Prepare the Plan, Section, Elevation of A Bank building with RCC flat roof to suitable scale.