

**Fourth Semester B.Tech. Degree Examination  
(2013 Scheme)  
13.406. BUILDING PLANNING & DRAWING (C)**

Time : 3 Hours

Max. Marks : 100

*Instruction : Answer all questions from Part A and one full question from each module of Part B.*

**PART – A**  
(Answer all the questions)

1. Distinguish between FAR/FSI and coverage.
2. Write a brief note on the importance of parking rules.
3. What is the importance of environmental protection rules and give a short note on it.
4. Give a brief description about the parts of a rain water harvesting system.
5. Discuss about the centre line method of estimation of quantities.

(4x5=20marks)

**PART – B**  
(Answer one question from each module)

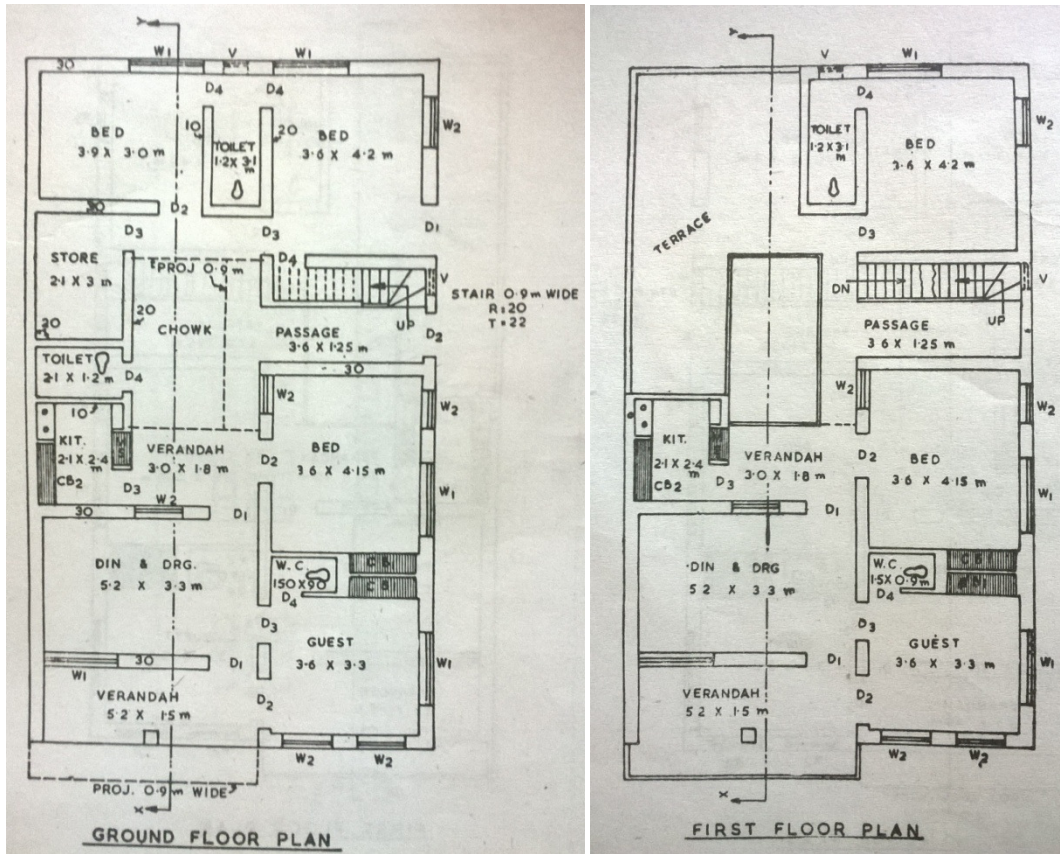
**Module - I**

6. Explain the concepts and principles of building planning.
- OR
7. Explain the set back rules and coverage of buildings. What is the importance of CRZ?

(20 marks)

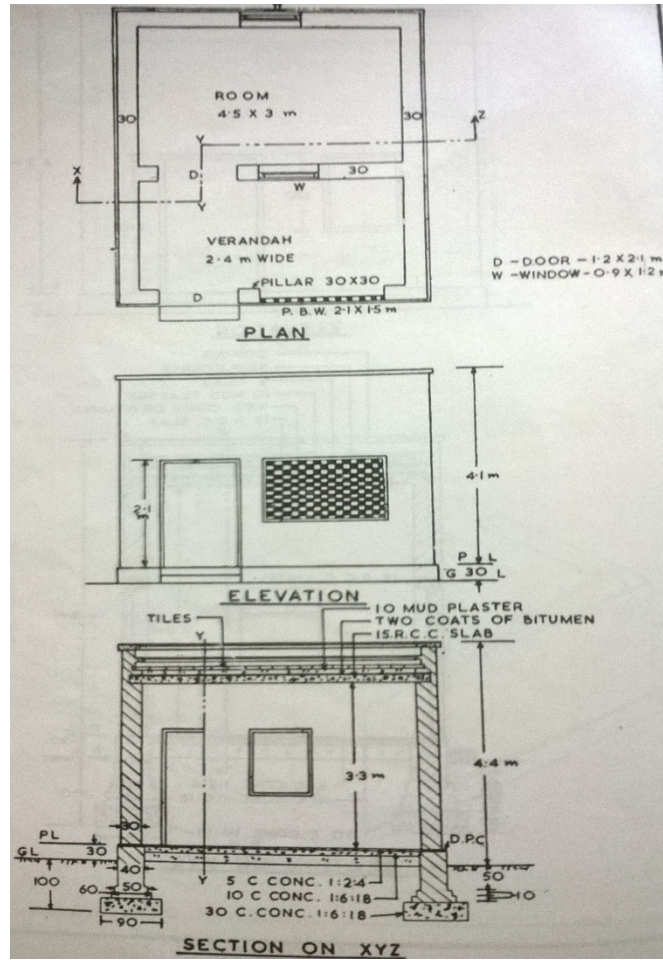
**Module - II**

8. Determine the carpet area, floor area and FAR of the two storied building given below. The rectangular plot has frontage of 15m. and its size is 15 x 22m (assume other data suitably).



OR

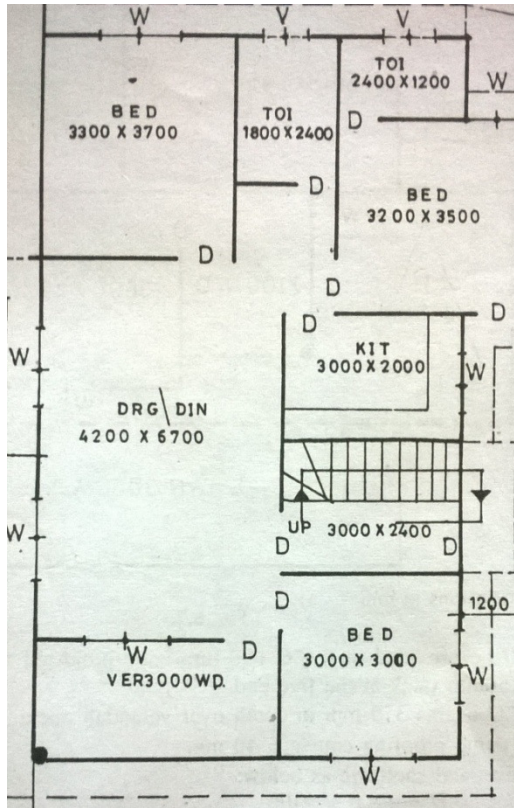
9. The plan, front elevation and section on XYZ of a single storied building is given. Estimate the quantities of the following items. (assume other data suitably)
- (i) Earthwork excavation in foundation. (ii) First class brickwork in 1:6 cement sand mortar in foundation, basement and plinth. (iv) First class brickwork in cement mortar in superstructure.



(20 marks)

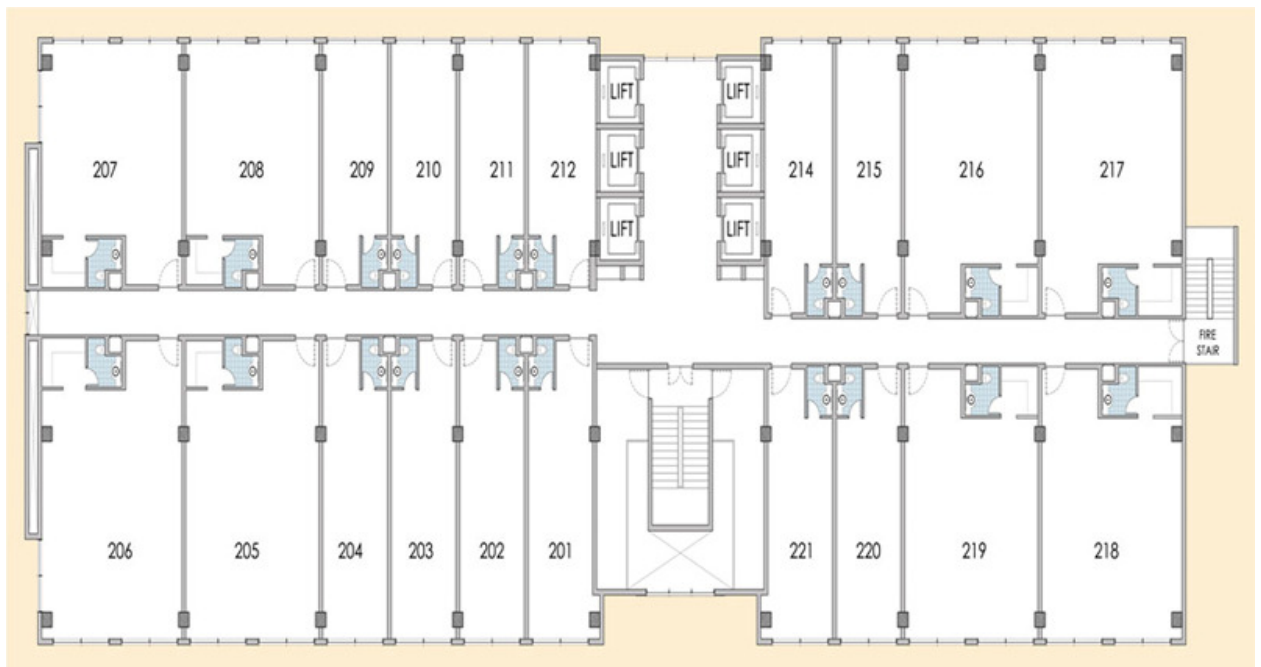
### Module – III

10. The line sketch of a single storied residence is given. Draw to suitable scale the (a) Plan, (b) Section through kitchen and (c) Front Elevation. All dimensions are in mm. (assume other data suitably).



OR

11. From the line sketch of the first floor given, draw the (a) First floor Plan, (b) Section along main stair case and (c) Front Elevation of a four storied Hostel building to suitable scale. Office, dining hall and kitchen are provided in the ground floor. (assume other data suitably).



(40 marks)