

# **Bharati Vidyapeeth Institute of Technology**

## **Civil Engineering Department**

Program Code: CE5I

Course: Building Planning and Drawing

Course Code: 22405

### **Chapter 3: Drawing of Load Bearing Structures**

1. Figure shows the Line Plan of residential Building. Draw to a scale of 1:50
  - i. Developed Plan
  - ii. Elevation
  - iii. Section along A-B

Use the following data:

- a. Type of Structure: Load Bearing
  - b. Depth of Foundation 1.0 m below G.L
  - c. Plinth Height above G.L 600 mm
  - d. Wall thickness is 300 mm for main walls and 200 mm thick for walls in W.C and Bath
  - e. Chajja Projection-600 mm
2. Prepare schedule of opening and area statement for the above building.
  3. List the Drawings and documents to be submitted for getting the approval from sanctioning authority

### **Chapter 4: Drawing of Framed Structure**

1. Draw a neat labeled section of a typical RCC Chajja
2. State the importance of site plan in submission drawings
3. Draw detailed plan and section for RCC Column footing with the following data:
  - i. Size of footing: 1200mm\*1200mm
  - ii. Size of Column: 230mm\*450mm
4. Draw the Foundation Plan for the residential building as shown in the figure.