

GOVERNMENT ENGINEERING COLLEGE, DAHOD

CIVIL ENGINEERING DEPARTMENT

BE-IV 4TH SEMESTER

BUILDING AND TOWN PLANNING (2140607)

DRAWING SHEET NO. : 1

PLANNING OF RESIDENTIAL BUILDING

- 1) Plan a **Detached Residential** building in the built-up area of 11m x 12m for the following requirements

On Ground Floor:

Veranda, Living Room, Kitchen cum Dining, Guest Room, Bath, Store, Stairs, WC, Mater Bed Room

On First Floor:

Master Bed Room, Children Bed Room, Open Terrace, Study Room, Bathroom

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DRAWING SHEET NO. : 2

PLANNING OF RESIDENTIAL BUILDING

1. Plan a **School Building** with following Details:-

- 1) Principal's office
- 2) Clerk's office
- 3) Reception
- 4) 12 classes for 60 students
- 5) 3 science laboratories
- 6) 1 library
- 7) 1 staff room
- 8) Water room
- 9) Toilet

-Take three laboratories and the library on the first floor.

-Take size of the room as per normal requirement of educational building.

-Draw plan, elevation, section, key plan & schedule of opening.

2. Plan a **Hospital Building** having the following units required:-

- 1) Waiting room
- 2) Doctor's consulting room -2 units
- 3) Operation theatre
- 4) 3 Special room of 2bed with attached toilet each
- 5) 1 General ward of 6 bed capacity
- 6) Laboratory
- 7) X-ray room
- 8) Pantry room for patients
- 9) Common toilet

-Draw plan, elevation, section, key plan & schedule of openings.

3. Plan a **Bank Building** with all partition in it for following requirements:-

- 1) Counters
- 2) Entrance
- 3) Agent's room
- 4) Cashier's cage
- 5) Safe deposit lockers
- 6) Sanitary block
- 7) Strong room

-Draw plan, elevation, section, key plan & schedule of openings.

4. Plan a **Post Office** with following requirements:-

- 1) Waiting area
- 2) Various counters for (Recurring fixed deposit, money order, parcel, stationary, telegraph, Saving Registration parcel)
- 3) Post master's room
- 4) Sorting room
- 5) Sanitary block
- 6) Parcel
- 7) Strong room
- 8) Water room/area

-Take size of rooms and counters as per normal requirement

-Draw plan, elevation, section, key plan & schedule of openings.