QUESTION BANK (Academic Year 2018-19)

BUILDING PLANNING AND DRAWING

II Year B.Tech – II Semester Branch: CE

UNIT-I- BUILDING BYE LAWS & REGULATIONS

1. Write short notes on building bye-laws for lighting, ventilation and wall thickness.
2. What is the difference between Floor carpet area? Explain in detail
3. What are the Building Bye-laws? Explain in detail along with the objectives of Bye-laws.
4. Write short notes on floor area. How is it related to height of the building?
5. Define floor space index. What is the difference between Law and Bye-laws?
6. Explain the building bye-laws with reference to open space requirements& lighting and ventilation requirements.
7. What are the various principles underlying building bye-laws? When do you apply the building bye-laws?
8. Explain in detail the classification of buildings. Also state the built-up area limitations

UNIT-II – RESIDENTIAL BUILDINGS

1. Describe the characteristics of various types of residential buildings.
2. Discuss briefly the purpose, functions and requirements of Kitchen, study room and Dining room.
3. Explain in detail the purpose, functions and requirements of Dining room, study & pooja room.
4. What are the factors to be considered by a planner prior to plan a residential building? Explain each component on detail.
5. Write short notes on Bye-laws for open in building and for size of rooms and ventilation.
6. What are the factors that are to be considered by planner prior to planning of a residential building? Explain any two of them in detail.
7. Define CPM and PERT. Explain the difference between both
8. Give the standard dimensions for Bed room, verandah, Kitchen and dining room of a Residential building

UNIT-III – PUBLIC BUILDINGS

1. What are the requirements for the dining room, drawing room, kitchen and bedroom in planning of residential building?
2. Explain the components involved in the design of Bank Building.

3. Enumerate the basic requirements of an educational institution and explain in detail
4. Differentiate between the following: (i) Hotel and motel, (ii) Dispensary and clinic.
5. What are the components of an Industrial building? Explain the principles involved inthe design.
6. Explain in detail the characteristics of various types of residential buildings
7. Define the terms EST, LST, Float, EFT, LFT.

UNIT-IV – SIGN CONVENTIONS AND BONDS

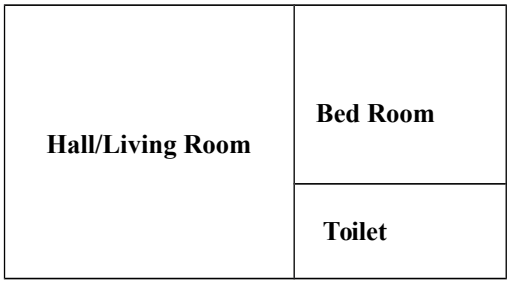
1. Draw the conventional signs for the following represented in a sectional elevation : a) Stone masonry b)Concrete c) Sand d)Wood e)Brick f)Earth g)Cinders
2. Draw the plan of one and a half brick wall in English bond & Flemish Bond for a wall
3. Draw the plan of two brick wall in English bond & Flemish Bond for a wall

UNIT-V – DOORS, WINDOWS, VENTILATORS AND ROOFS

1. Draw to a suitable scale the plan of the fully paneled door
2. Draw to a suitable scale the plan of the fully paneled window
3. Draw the line diagram of a king-post truss showing the various components
4. Draw the line diagram of a queen-post truss showing the various components

UNIT-VI – PLANNING AND DESIGNING OF BUILDINGS.

1. The line diagram shows one bed room residential building . Draw the plan , elevation , section to a suitable specifications.



2. Draw the line diagram of a residential building with the given line sketch to a scale of 1:100

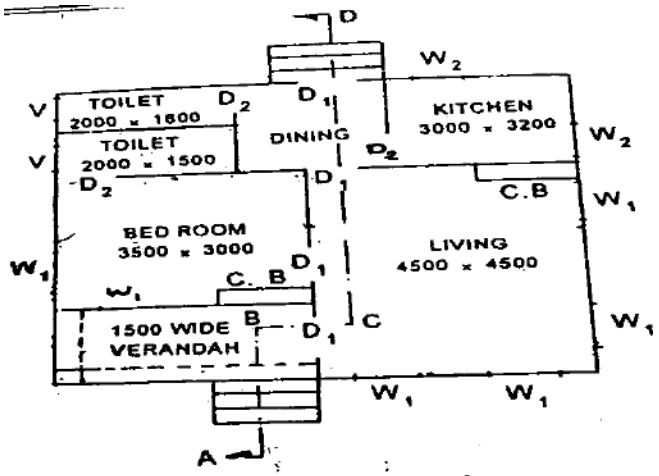


FIG. LINE DIAGRAM

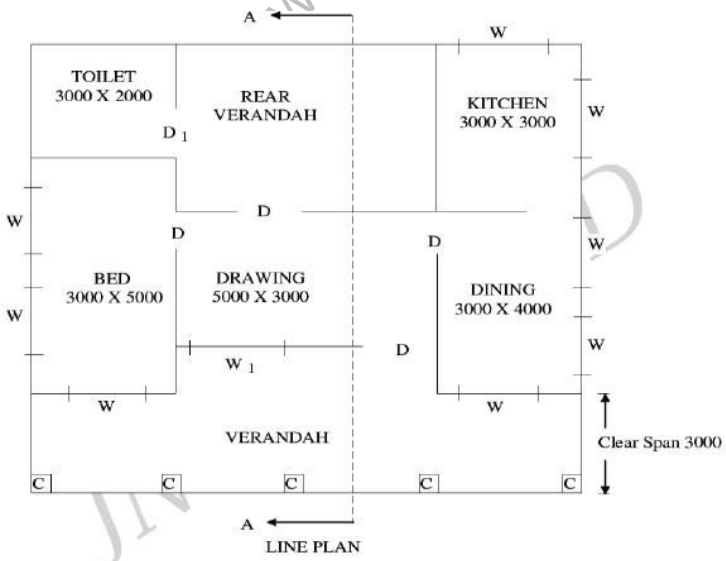
3. Draw the plan section and elevation of a " PRIMARY HEALTH CENTRE " .Assume the dimensions

4. Draw the plan for " HOSTEL " assume the dimensions

5. Draw the plan for "EDUCATIONAL INSTITUTE" assume the dimensions

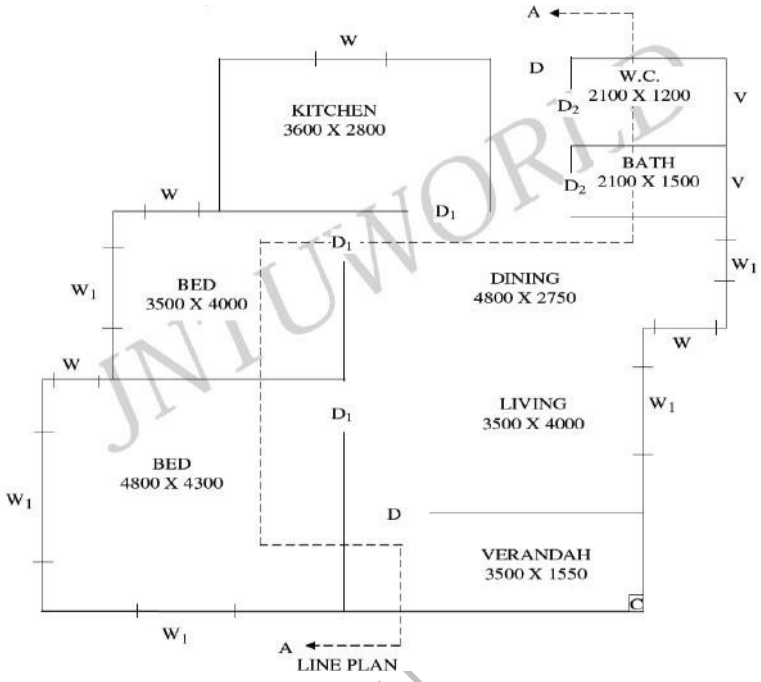
6. Draw the plan, Elevation & Section for the following line diagram

Assume D1 – 800 x 2000, D – 1000 x 2000, W – window Glazed – 1500 x 1000, W1 –Window Glazed – 2000 x 1000, V – Ventilator Glazed – 800 x 500, wall thickness –300mm



7. Draw the plan for Elevation & Section for the following line diagram

Assume D1 – 800 x 2000, D – 1000 x 2000, D2 – 700 x 2000, W – window Glazed – 1500 x 1000, W1 – Window Glazed – 2000 x 1000, V – Ventilator Glazed – 800 x 500, wall thickness – 300mm



8. Draw the plan for Elevation & Section for the following line diagram