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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year II Semester Supplementary Examinations February-2022
BUILDING PLANNING & DRAWING
(Civil Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all the Questions)

Part A (30 Marks)

UNIT-I

- 1 Explain the terminology in building bye laws? Mention the objectives of building byelaws? 10M
- OR**
- 2 What are the various factors to be considered in selecting a site for residential building? 10M

UNIT-II

- 3 a Explain the characteristics of various types of residential buildings? 5M
b Write short notes on requirements of office building 5M
- OR**
- 4 Describe the important departments and facilities to be provided in the layout of hospital building? 10M

UNIT-III

- 5 Explain the following terms:
i) Design for thermal comfort ii) Ventilation comfort 10M
- OR**
- 6 Give a detailed note on ventilation comfort? Explain the design for ventilation comfort? 10M

(Answer all the Questions)

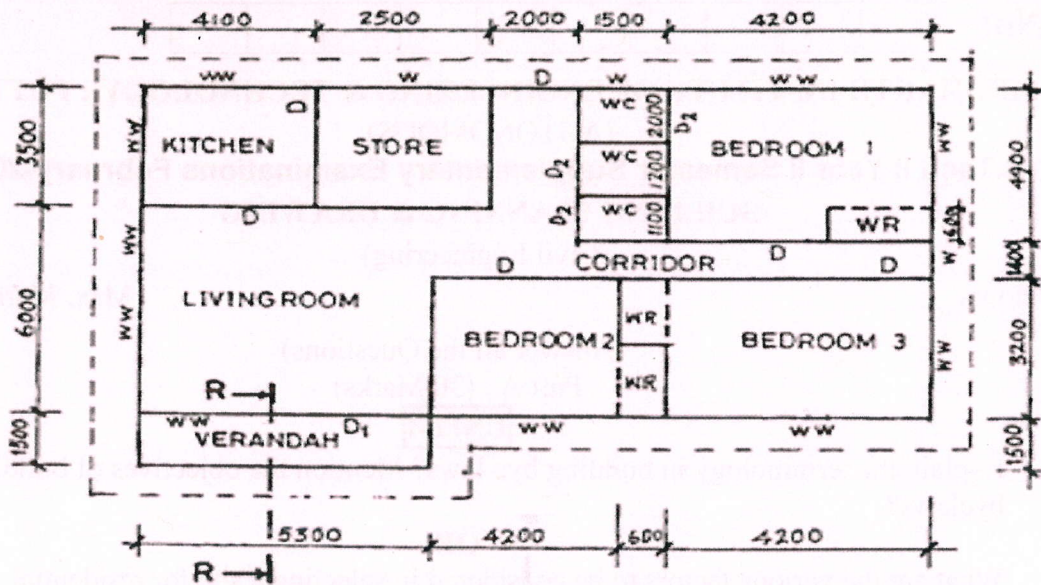
Part B (30 Marks)

UNIT-IV

- 7 Draw a neat sketch of an odd and even course of Flemish bond for a one brick wall 10 M
- OR**
- 8 Draw the conventional signs for the following:
a) Lead b) Sand c) Clay tile d) Earth 10M

UNIT-V

- 9 Figure shown below gives the line drawing of a residential building, draw to a scale of the following: (a) Plan. (b) Section along AB. (c) Front elevation.
The following specifications are to be adopted:
Foundation: Depth 1000 mm. C.C bed 1000 mm x 300 mm.
Two footings with an offset of 50 mm and 250 mm thickness each. 20M
Basement: 600 mm high, thickness of wall at this level is 400 mm.
Walls: Brick masonry in C.M.1:6, 300mm thick
Roof: R.C.C slab 120mm thick.
Provide the details of doors, windows, ventilators and steps etc. as per standard dimensions.

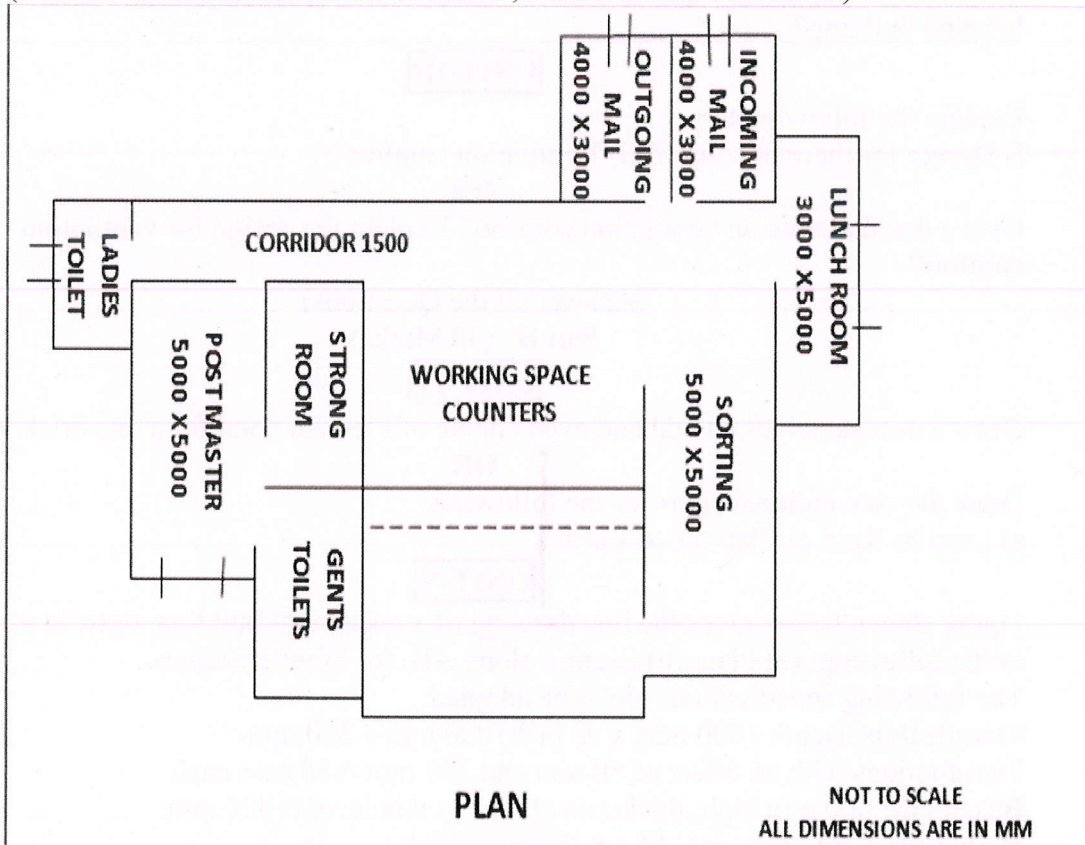


SKETCH PLAN OF A THREE BEDROOM BUNGALOW

(Assume suitable dimensions where necessary)

OR

- 10 Draw plan, section and elevation for the following line drawing:
(Provide standard dimensions for doors, windows and ventilation)



*** END ***