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**SIDDHARTH INSTITUTE OF ENGINEERING AND TECHNOLOGY: PUTTUR
(AUTONOMOUS)**

III B.Tech. I Semester Regular Examinations November 2019

BUILDING PLANNING AND DRAWING

(Civil Engineering)

Time: 3 hrs

Max.Marks:60

- Note : 1. Question Paper consists of two parts (Part-A and Part-B)
2. In Part-A, Each question carries ten marks.
3. Answer ALL the questions in Part- A and Part-B

PART – A**30 Marks****Unit - I**

- 1 Explain the terminology in building byelaws. Mention the objectives of building byelaws. 10M

OR

- 2 Enumerate the basic principles underlying building byelaws and also limitations for the built up area. 6M

Unit - II

- 3 What are the various rooms provided in residential building and explain it. 10M

OR

- 4 a. What are the principles of planning a library building? 4M
b. Describe the important departments and facilities to be provided in the layout of hospital building. 6M

Unit - III

- 5 Write short notes on the following components of building automation system. 10M
(i) HVAC (ii) Electrical lighting (iii) Security

OR

- 6 Give a detailed note on ventilation comfort. Explain the design for ventilation comfort. 10M

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. 5M

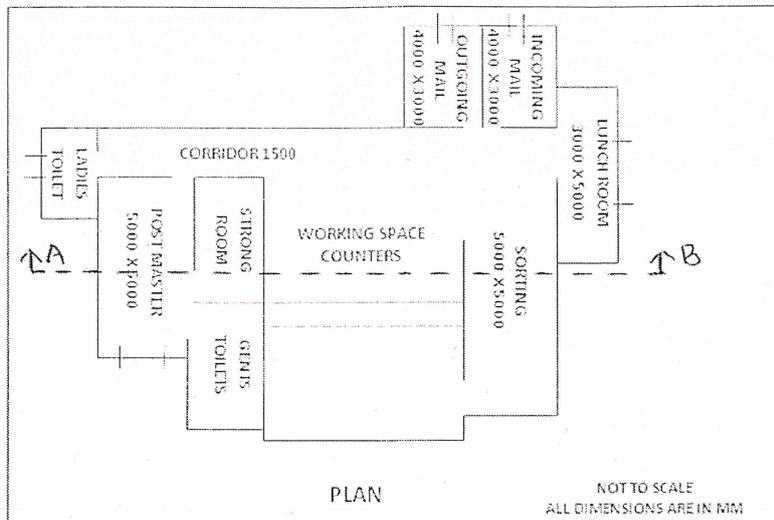
OR

8. Explain King post truss roof with a neat sketch. 10M

P.T.O

Unit - V

9. Draw plan, section and elevation for the following line drawing. Provide standard dimensions for doors, windows and ventilators. 20M



OR

10. The line diagram of the plan of a residential building is shown below. 20M

Specifications:

Thickness of super structure wall = 200mm

Depth of foundation = 1200mm

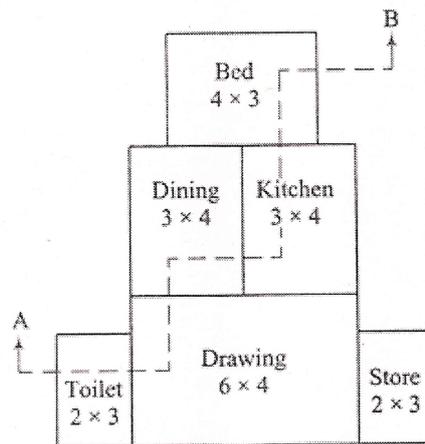
Height of the building = 3m

Height of plinth above GL = 0.9m

Provide standard dimensions for doors, windows and ventilators.

Assume any other suitable data.

Draw a neat dimensioned (i) Plan (ii) Sectional elevation along AB.



All dimensions are in m

END