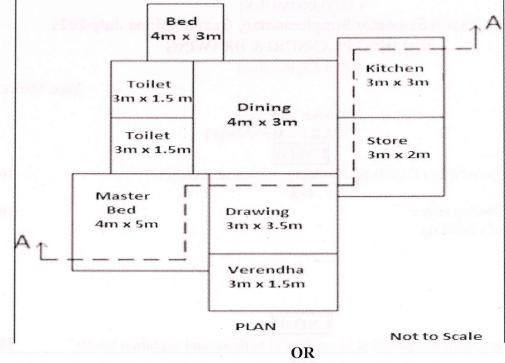
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(AUTONOMOUS) B.Tech II Year II Semester Supplementary Examinations July-2021 BUILDING PLANNING & DRAWING (Civil Engineering) Time: 3 hours Max. Marks: 60 (Civil Engineering) Time: 3 hours Max. Marks: 60 (Answer all Five PART –A(30 Marks) UNIT-1 1 Explain the various types of residential buildings with neat sketches? 10M 0R 0R 10M 2 Explain the following terms: i) Orientation of a building ii) Aspect iii) Prospect iv) Privacy v) Economy 10M 3 What are the various rooms provided in residential building and explain it briefly? 10M 4 What are the requirements for the following rooms in planning of residential building? i) Dining room ii) Drawing room iii) Kitchen iv) Bedroom UNIT-III 10M 5 Give a detailed note on noise and acoustic comfort. How do you design a building for thermal comfort? 10M 6 Explain the components of building automation system? i) HVAC ii) Electrical lighting 10M 1) HVAC ii) Electrical lighting 10M 1) HVAC ii) Electrical lighting 10M 1) Concret ii) Ston iii) Plaster iv) Sand filling 10M 1) Concret ii) Ston iii) Plaster iv) Sand filling 0R 8	Reg. No:		
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UNIT-V

9 The line diagram for a plan of a residential building is provided below: 20M Draw a neat diagram of the plan and section AA of the same. Assume all data required as per the standard dimensions.



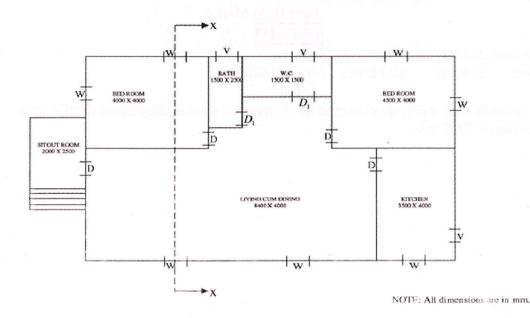
10 The line sketch of a residential building is shown in figure below: Draw
(i) A neat dimensioned plan.
(ii) Sectional elevation along A P. to a switchle scale, using the following space

(ii) Sectional elevation along AB, to a suitable scale, using the following specification. Specifications: Foundations: CC 1:4:8 800 mm wide and 300 mm thick

Footings: Rubble stone masonry: 600 mm x 500 mm.

Basement: Coursed rubble masonry: 400 mm wide and 700 mm high. Superstructure: Brickwork in C.M 1.5:300 mm wide and 300 mm high.

R.O.C roofing: 100mm thick.



*** END ***

20M