

Total No. of Printed Pages:1

SUBJECT CODE NO:- H-5028
FACULTY OF SCIENCE AND TECHNOLOGY
F. Y. Arch (CBCS) (Sem-I)
A.B.C.- I

[Time: Four Hours]

[Max.Marks: 80]

Please check whether you have got the right question paper.

- N.B
- 1) Solve any two questions from each section.
 - 2) Draw neat sketches where ever necessary.
 - 3) Figures to the right indicate full marks.

Section A

- Q.1 Draw entire detail section of the building showing all structural components from foundation to parapet wall in suitable scale. 30
- Q.2
- a) Draw isometric view of the following type of bricks with their respective dimensions. 15
 - 1) Three Quarter Bat.
 - 2) Beveled Closer.
 - 3) Queen Closer.
 - b) Draw Plan and isometric view of right angle junction of 1 ½ thick brick wall in single Flemish 15 bond.
- Q.3 A single shutter double paneled T.W. door is to be provided for a Bed Room of a flat. The clear opening in the wall is 1000 X 2100 mm. The size of door frame is 75 X 100. The thickness of door shutter is 30 mm. 12
- 1) Draw Plan, Elevation and Section of the door.
 - 2) Draw large scale details. Scale 1:2 18
 - a) Joint between Head and Post of door frame.
 - b) Joint between lock rail and stile.
 - c) Joint between lock rail and panel.

Section B

- Q.4 Define various structural components of building with reference to Q.No.1. 10
- Q.5 Explain the process of preparation of clay for manufacturing of Bricks. 10
- Q.6 Explain the Load Bearing Capacity of Soil and its methods to find out the bearing capacity of soil. 10