

Code: 13A01501

R13

B.Tech III Year I Semester (R13) Supplementary Examinations June 2016

BUILDING PLANNING & DRAWING

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

PART – A

(Answer the following: 03 X 10 = 30 Marks)

UNIT – I

- 1 Explain different factors that affect the site selection for a residential building.

OR

- 2 What do you mean by Byelaws? Explain them in detail along with their objectives and underlying principles.

UNIT – II

- 3 What do you mean by grouping? Explain its significance in the planning of a residential buildings along with neat sketches.

OR

- 4 How does the planning of a public building differs from planning of a residential building? Explain the key factors to be considered in the design of an educational institution.

UNIT – III

- 5 Mention the different aspects of building safety. Explain each of them in detail.

OR

- 6 Differentiate between CPM and PERT network planning with neat sketches.

PART – B

(Answer the following: 01 X 10 = 10 Marks)

UNIT – IV

- 7 Draw a neat sketch of an odd and even course of English Bond for a one and half brick wall.

OR

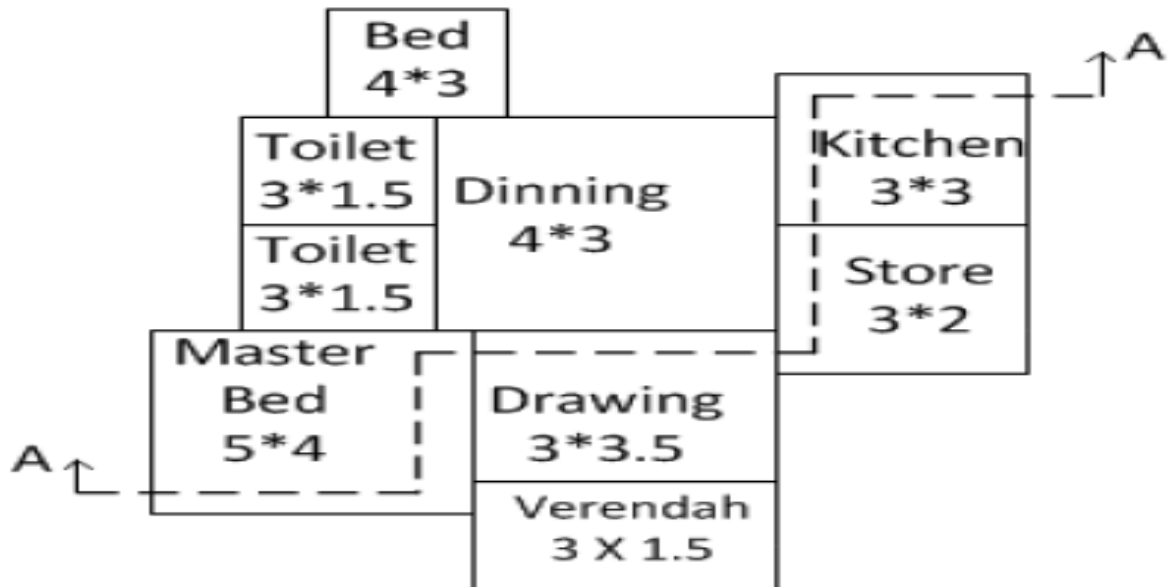
- 8 Draw three different types of commonly used doors and identifying different components in doors.

Contd. in page 2

UNIT - V

(Answer the following: 01 X 30 = 30 Marks)

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



OR

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

