

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**

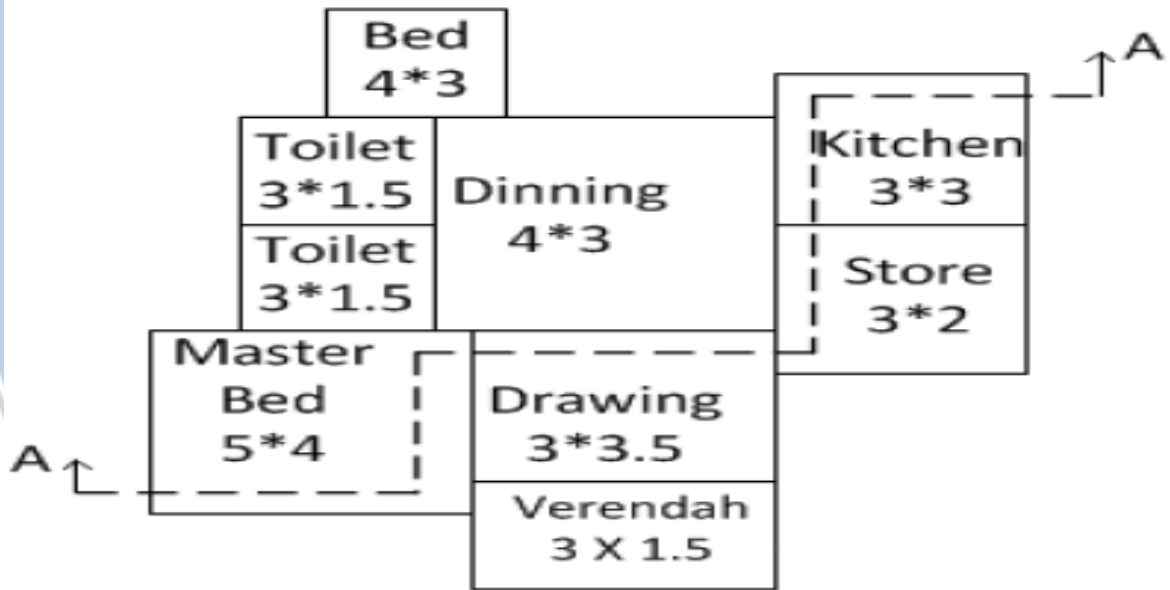
8 Draw three different types of commonly used doors and identifying different components in doors.

Contd. in page 2

## UNIT - V

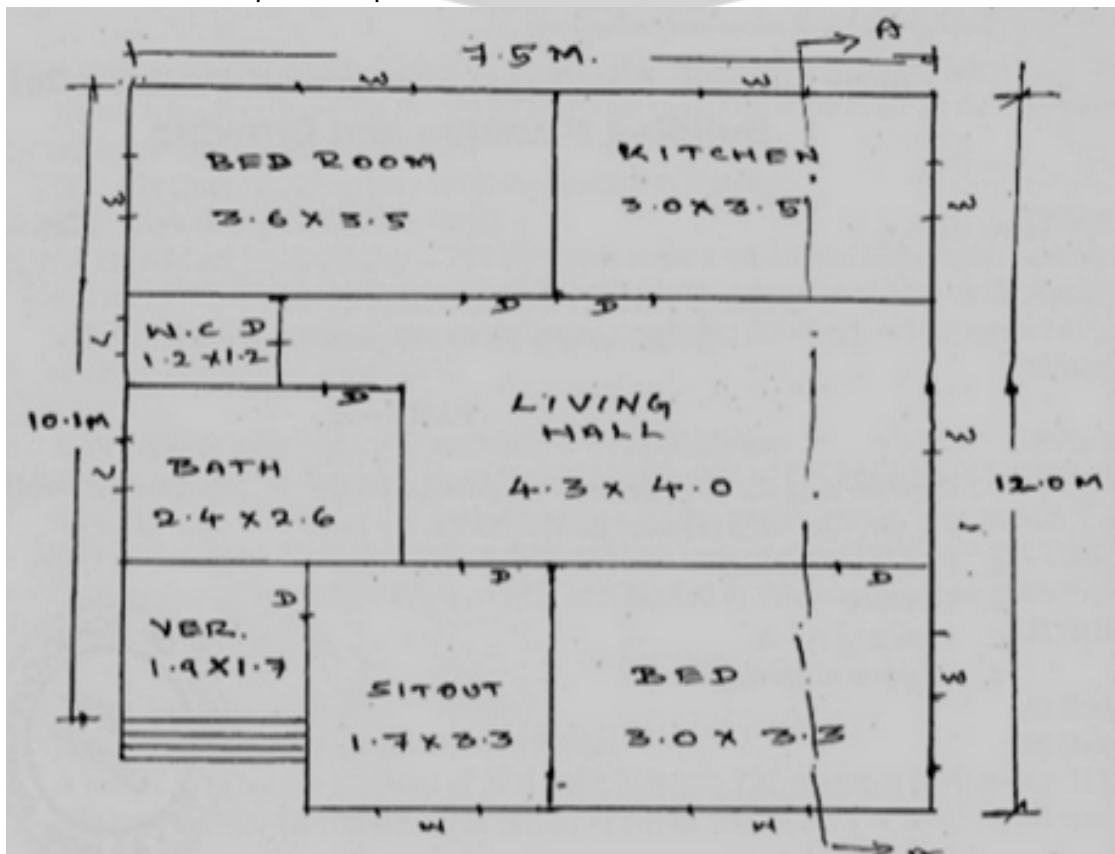
(Answer the following: 01 X 30 = 30 Marks)

- 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.



\*\*\*\*\*