

Code No: R31012

R10**Set No: 1**

III B.Tech. I Semester Regular Examinations, November/December - 2012

BUILDING PLANNING & DRAWING

(Civil Engineering)

Time: 3 Hours**Max Marks: 75**

Answer any THREE questions Part-A

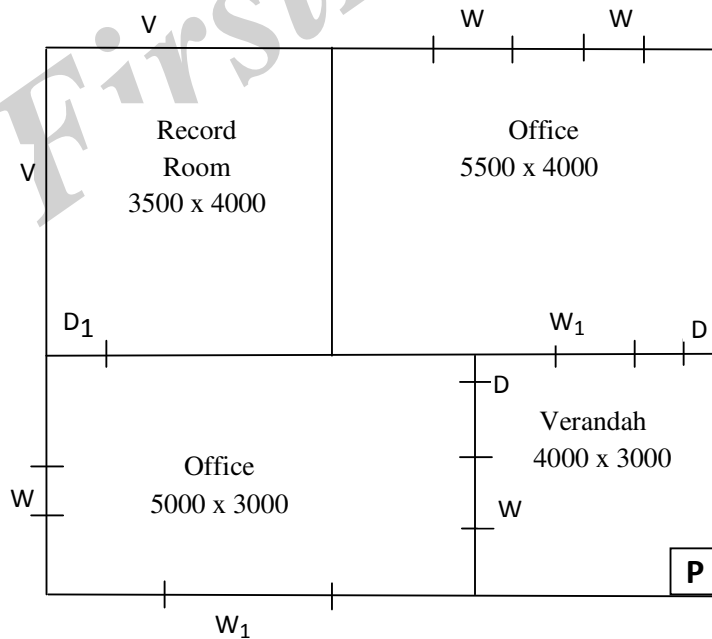
Answer any **one** question Part-B

PART-A

1. (a) Explain the importance of wall thickness in byelaws of buildings
(b) Explain the consideration of the height of buildings as per building bye-laws? (7+8)
2. Write the minimum standards for various parts of buildings and explain? (15)
3. (a) Write the importance and necessity in planning of hospitals.
(b) Write the importance and necessity in planning of educational institutes? (8+7)
4. What do you understand about the computations of time and float and explain the importance of this phenomenon? (15)
5. (a) Write the importance and necessity in planning of dispensaries.
(b) What is the importance of open space requirements according to building bye-laws? (7+8)

PART-B

6. a) Draw the sign conventions of earth, rock, sand filling, concrete and marble?
b) Draw the plan and elevation of the given line diagram? (10+20)
7. Draw the plan, section and elevation of the given line diagram? (30)

**REFERENCE**

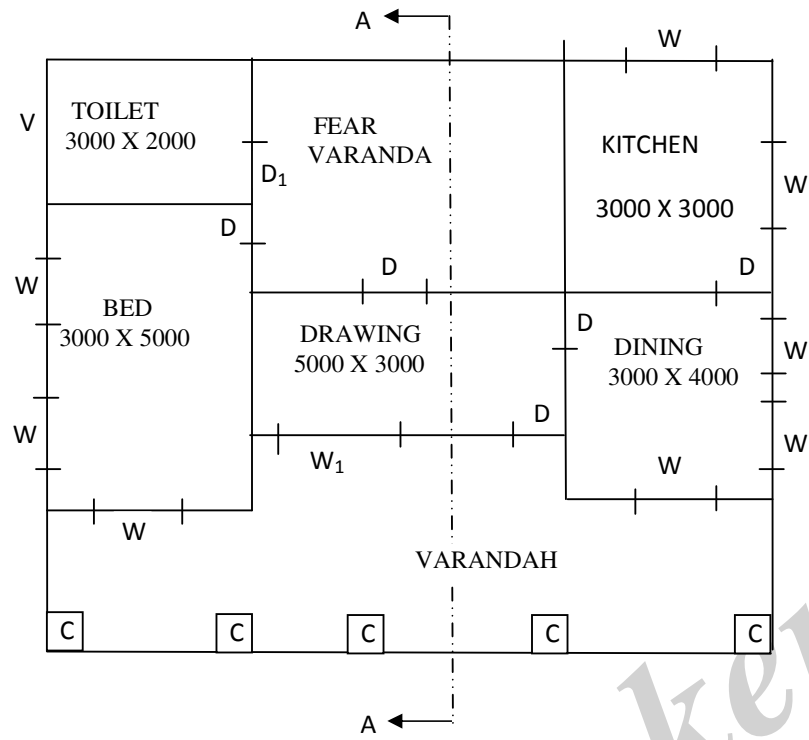
- D - 1000 X 2000
 D₁ - 900 X 2000
 W - 900 X 1200
 W₁ - 2000 X 1000
 V - 800 X 300

(OR)

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REFERENCE

- D: 1000 X 2000
- D₁: 800 X 2000
- W: 1500 X 1000
- W₁: 2000 X 1000
- V: 800 X 500

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R10**Set No: 2**

III B.Tech. I Semester Regular Examinations, November/December - 2012

BUILDING PLANNING & DRAWING

(Civil Engineering)

Time: 3 Hours**Max Marks: 75**

Answer any THREE questions Part-A

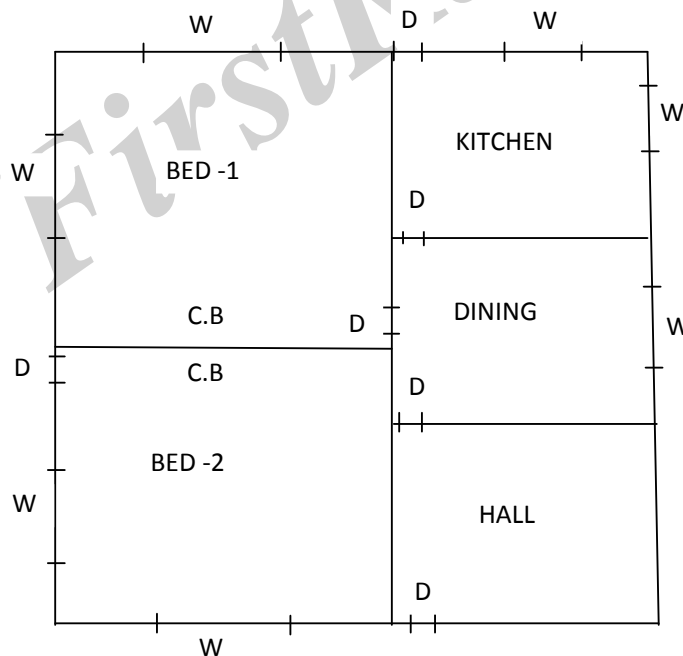
Answer any one question Part-B

PART-A

- (a) What are the objectives of building bye-laws and explain the necessity of these laws?
(b) What do you understand by floor area ratio (FAR) and explain? (7+8)
- Write the minimum standard room dimensions of residential buildings and explain? (15)
- (a) Write the importance and necessity in planning of hospitals.
(b) Write the importance and necessity in planning of office buildings? (8+7)
- What do you understand about the planning of construction projects and explain clearly about all the factors involved in the project? (15)
- a) Write the importance and necessity in planning of hotels and motels.
b) What are the classifications according to building bye-laws and explain? (7+8)

PART-B

- a) Draw the sign conventions of brick, plaster, sand filling, concrete and glass?
b) Draw the plan and elevation of the given line diagram? (10+20)
- Draw the plan, section and elevation of the given line diagram? (30)

**Reference**

D: 1.2 x 2.0m

W: 2.0 x 1.8m

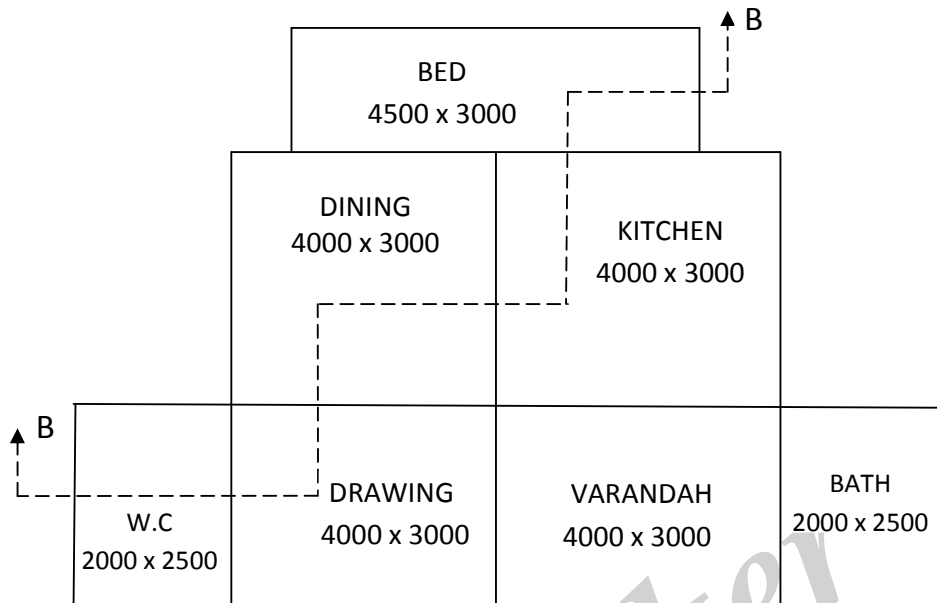
C.B: 2.0m x 1.30m

(OR)

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Note:- Assume proper positioning of doors,
Windows, ventilators as per standards

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BUILDING PLANNING & DRAWING

(Civil Engineering)

Time: 3 Hours

Max Marks: 75

Answer any THREE questions Part-A

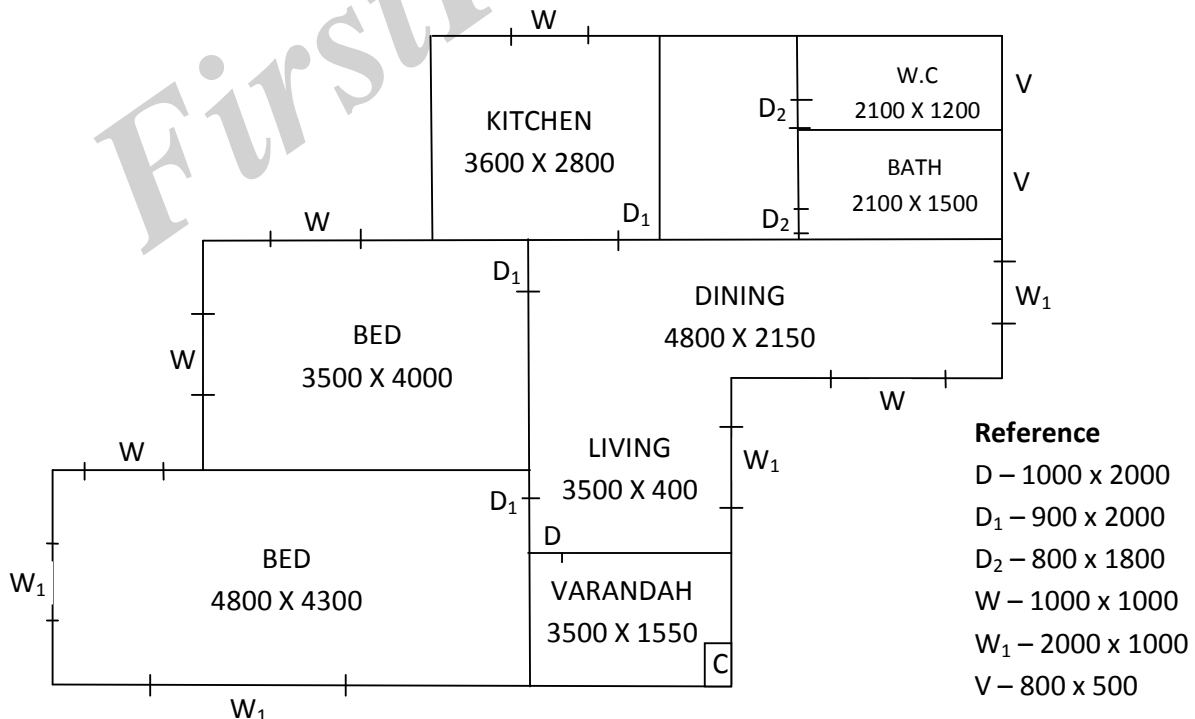
Answer any one question Part-B

PART-A

- (a) What is the importance of open space requirements in byelaws of buildings
(b) What are the principles underlying building bye-laws and explain? (7+8)
- Explain the requirements of different rooms and their grouping in the residential and business buildings? (15)
- (a) Write the importance and necessity in planning of banks.
(b) Write the importance and necessity in planning of buildings for recreation? (8+7)
- Explain scheduling and monitoring of bar charts? (15)
- a) Write the importance and necessity in planning of industrial buildings.
b) Explain the importance of wall thickness according to building bye-laws? (7+8)

PART-B

- (a) Draw the neat sketch of one and half brick wall for an English bond.
(b) Draw the plan and elevation of the given line diagram? (10+20)
- Draw the plan, section and elevation of the given line diagram? (30)



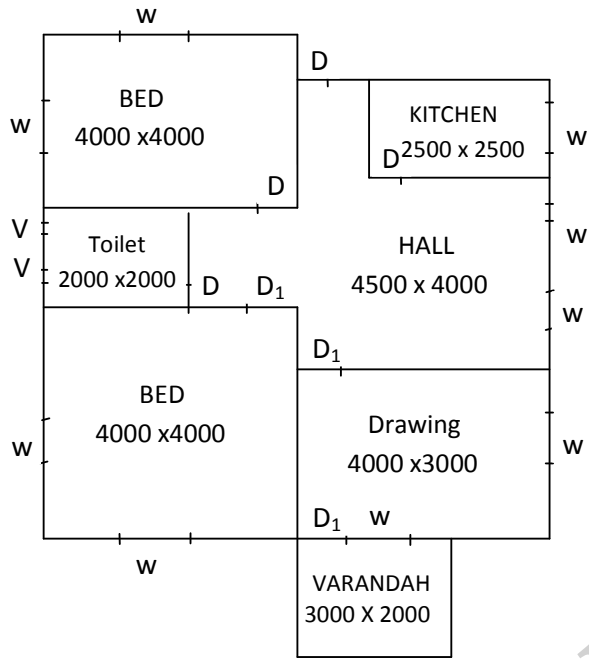
(OR)

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REFERECE
D : 1000 X 2100
W : 1200 X 1400
V : 900 X 500

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R10**Set No: 4**

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BUILDING PLANNING & DRAWING

(Civil Engineering)

Time: 3 Hours**Max Marks: 75**

Answer any THREE questions Part-A

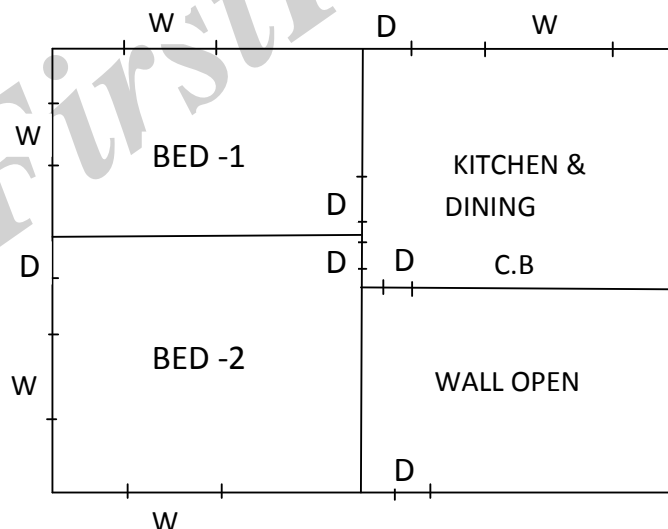
Answer any one question Part-B

PART-A

1. (a) What is the importance of lighting and ventilation in bye-buildings and also in general constructions? Explain?
(b) What do you understand about the Floor space index (FSA)? (7+8)
2. What are the characteristics of various types of residential buildings and Explain? (15)
3. (a) Write the importance and necessity in planning of industrial buildings?
(b) Write the importance and necessity in planning of hotels and motels? (8+7)
4. Explain CPM and PERT network plan? (15)
5. (a) Write the importance and necessity in planning of buildings for recreation.
(b) Explain the importance of height of buildings according to building bye-laws? (7+8)

PART-B

6. (a) Draw the neat sketch of one and half brick wall for an Flemish bond.
(b) Draw the plan and elevation of the given line diagram? (10+20)
7. Draw the plan, section and elevation of the given line diagram? (30)

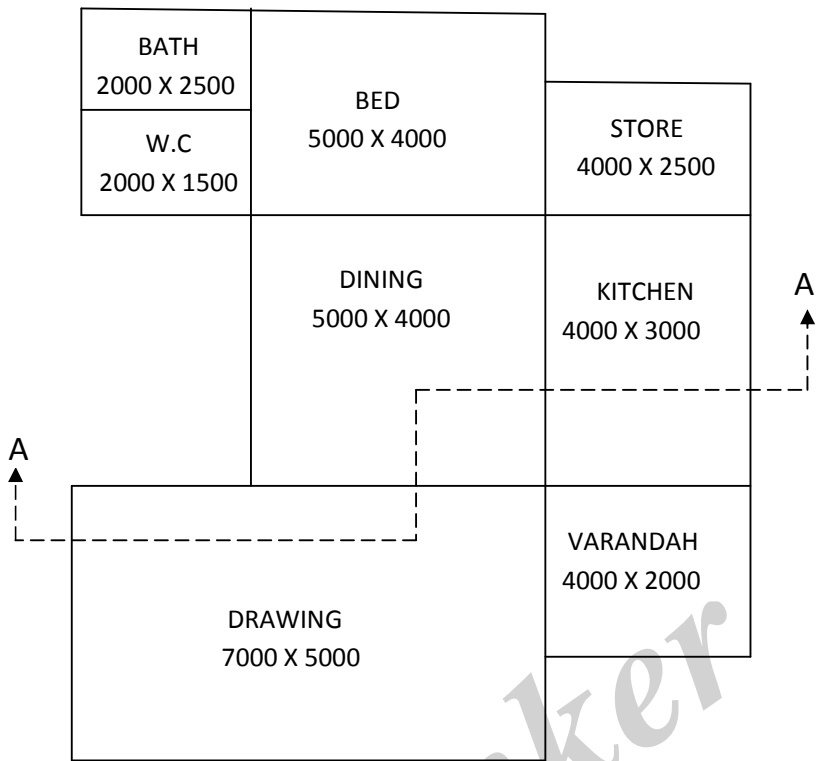
**Note:-** Assume suitable dimensions as per standards

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Note:- Assume proper positioning of windows, doors ventilators as per standards
