



B.Tech II Year II Semester (R09) Supplementary Examinations December/January 2015/2016

BUILDING PLANNING & DRAWING

(Civil Engineering)

Time: 3 hours Max. Marks: 70

PART – A

(Answer any three questions, $3 \times 14 = 42 \text{ Marks}$)

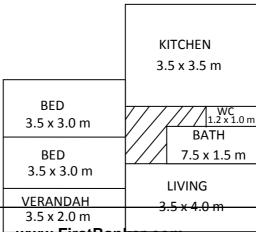
- 1 (a) Describe the objectives of building bye laws.
 - (b) Explain the building bye laws with reference to:
 - (i) Open space requirements. (ii) Provision for lightening and ventilation.
- 2 (a) What are the characteristics of various types of residential buildings?
 - (b) What are the minimum standards of various parts of buildings?
- 3 (a) Give the classification of buildings as per national building code (NBC) and explain.
 - (b) Differentiate between PERT and CPM.
- 4 (a) Describe the importance departments and facilities to be provided in the layout of a commercial building.
 - (b) Explain about planning of hotels.

5 The time estimates of a three activities A, B, C are as follows. Determine time and variance for each activity.

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Activity	Optimistic time	Most likely time	Pessimistic time
Α	10	12	14
В	6	8	12
С	5	10	12

PART – B (Answer any one question, 1 X 28 = 28 Marks)

- 6 (a) Draw the front elevation and sectional plan of a half glazed paneled door with serving ventilator to fit in an opening of 1200 mm x 2100 mm and label the parts.
 - (b) Draw the front elevation and sectional plan of a half glazed paneled door to fit in an opening of 1000 mm x 1900 mm and label the parts.
- Figure shows the line drawing of a residential building draw to a suitable scale of the following:
 - (a) Dimensional plan.
 - (b) Section.
 - (c) Elevation.



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