

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 X 14 = 42 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.

Activity	Optimistic time	Most likely time	Pessimistic time
A	10	12	14
B	6	8	12
C	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.
- 7 Figure shows the line drawing of a residential building draw to a suitable scale of the following:
(a) Dimensional plan.
(b) Section.
(c) Elevation.

