

Code: 9A01405

R09

B.Tech II Year II Semester (R09) Supplementary Examinations May/June 2017

BUILDING PLANNING & DRAWING

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

PART – A

(Answer any three questions, 3 X 14 = 42 Marks)

- 1 (a) Explain the importance of building bye laws.
(b) Explain the requirements of open space, lighting and ventilation.
- 2 (a) What are the requirements of different room and their grouping in residential building? Explain it.
(b) Explain characteristics of various types of residential building.
- 3 (a) Explain different principles used while planning an industrial buildings in an industrial area.
(b) Draw a rough plan of an educational building in a town.
- 4 The duration of activities of a project are as follows. Draw the PERT network diagram. Identify the critical path. What is the project time?

Activity	1-2	1-3	2-4	2-5	4-7	5-7	7-8	3-6	6-8
Duration in days	5	10	1	6	12	3	4	7	6

- 5 (a) Explain different features of industrial, institutional and buildings for recreation.
(b) What are the principles underlying building bye-laws and built up area limitations?

PART – B

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

- 6 (a) Draw odd and even courses elevation and isometric view of English bond of 2 brick wall.
(b) Draw elevation and sectional plan of partly paneled and partly glazed door of size 1200 x 2100 mm. size.
- 7 Draw plan, elevation and section of building by using given line diagram shown in figure below and assume suitable dimensions for foundation, slab thickness, lintel thickness, parapet wall thickness etc.

