Code: CE4T5

II B.Tech - II Semester – Regular/Supplementary Examinations – April 2017

BUILDING PLANNING AND DRAWING
(CIVIL ENGINEERING)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer any **THREE** questions.   All questions carry equal marks.   3 x 14 = 42 M

1. Explain about Aspect and Privacy in buildings.

2. What are building Bye-Laws and what are its objectives?

3. a) Define the 63.5 degree for fixing the height of buildings.

   b) What is the difference between Floor-Area and Carpet-Area? Explain.

4. What are the purpose and requirements for the following rooms in planning of a Residential building?
   i) Drawing Room
   ii) Kitchen

5. a) What are the essential features of an English bond?

   b) Draw a neat sketch of a 2 brick wall for an English bond?

PART – B

Answer any *ONE* question.   1 x 28 = 28 M

1. Plan a residential building on a plot size of 9.25M X 15M with all necessary amenities. Provide at least one bed room on the ground floor. Percent built up area allowed is 80 percent and FAR is 1.6. Draw Plan and Sectional elevation.

2. A primary health centre is to be constructed in a village. The site measures 75m X 40m with frontage along N-S directions. The wind directions is South-South East.
   Draw a line diagram of building to accommodate
   i)   Waiting room
   ii)   Doctor's room
   iii) Examination room
   iv)   Verandah
   Briefly explain the principle of your planning.