Code: CE4T5

II B.Tech - II Semester – Regular / Supplementary Examinations
April 2019

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. a) What is meant by aspect, prospect, circulation and grouping? Explain their importance.   8 M

   b) What is meant by flexibility, circulation and sanitation? Explain their importance.   6 M

2. a) Explain the importance of building bye laws.   8 M

   b) What is meant by FSI? State the importance of this factor.   6 M

3. a) Explain different standards and requirements of different parts of a residential house.   7 M

   b) Write classification of buildings. Also explain any two types of buildings.   7 M

4. a) Explain different principles used while planning a hospital in rural areas.   8 M

   b) Design the layout of a hotel building constructed in a city.   6 M

5. a) Draw rough sketch of English Bond for 1½, 2 brick thick wall.   6 M

   b) Draw sign convention for the following materials: 8 M
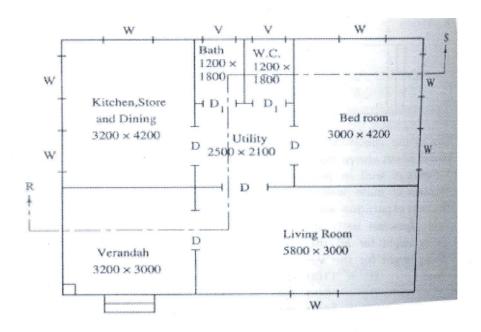   i) Lead   ii) Rock   iii) Timber   iv) Concrete

PART – B

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

6. a) Draw a paneled and glazed door of size 1000 mm x 2000 mm to a suitable scale. Assume any other data if necessary.   14 M

   b) Draw a King Post truss of effective span 6800 mm to a suitable scale. Assume any other data if necessary.   14 M

7. Draw the Plan, section and elevation for the line diagram shown below in Figure to scale. Assume D1 – 800 x 2000, D – 1000 x 2000, W – window Glazed – 1500 x 1000, W1 – Window Glazed – 2000 x 1000, V – Ventilator Glazed – 800 x 500, wall thickness – 300mm.   28 M

Note: All Dimensions are in mm