Code No: RT22011   **R13**   SET - 1

II B. Tech II Semester Supplementary Examinations, April-2018
BUILDING PLANNING AND DRAWING
(Civil Engineering)

Time: 3 hours   Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer any **Three** questions in **PART-A**
3. Answer **One** question from **PART-B**
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PART-A

(14 × 3 = 42M)

1. a) Explain the importance of wall thickness in byelaws of buildings
    b) Explain the consideration of the height of buildings as per building bye-laws?

2. a) Write the minimum standards for various parts of buildings and explain?
    b) Write the importance and necessity in planning of hospitals.

3. Write the importance and necessity in planning of educational institutes.

4. What do you understand about the computations of time and float and explain the importance of this phenomenon?

5. a) Write the importance and necessity in planning of dispensaries
    b) What is the importance of open space requirements according to building bye-laws?

PART-B

(Answer any ONE question on drawing sheet)

(1 × 28 = 28M)

6. a) Draw the sign conventions of earth, rock, sand filling, concrete and marble?
    b) Draw to a suitable scale the elevation and details of a queen post truss of span 12000 mm. Assume suitable dimensional of the components and indicate all the details

7. Design/Plan a college Canteen building for the following requirements. Draw a line Diagram, plan section and elevation
    a) Entrance with foyer with cashier's desk-15 Sq. m.
    b) Dining Hall of-120 Sq. m
    c) Kitchen and Pantry -60 Sq. m
    d) Store-20 Sq .m
    e) Provision for Xerox Machine -10 sq. m
    f) Open space for dining and washing etc.
    g) Toilets as required.