

Code No: RT22011

R13**SET - 1**

II B. Tech II Semester Supplementary Examinations, November - 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 from **PART-A**
3. Answer any **ONE** Question from **PART-B**

(14 × 3 = 42M)**PART -A**

- a) Define plinth area and explain the purpose of plinth beam
b) List the areas which have to be included and which have to be excluded while calculating plinth area
- Explain in detail about the characteristics of various types residential buildings
- Write the importance and necessity in planning of hotels and motels
- Draw neat conventional signs and symbols for the following:
a) Glass (b) Wood across again (c) Beveled closer (d) King closer
- Explain the following with the help of neat sketches
Flat roof buildings

PART -B**(1 × 28 = 28M)**

- Draw King Post truss with suitable scale and mention all parts
- Sectional elevation along AB, to a suitable scale, using the following specification.
Specifications: Foundations: C C 1:4:8 800mm wide and 800mm thick.
Footings: Rubble stone masonry: 600mm*500mm
Basement: Coarse rubble masonry: 400mm wide and 700mm high. Super structure, Brick work in CM 1:5:300 mm wide and 300mm high R.O.C roofing 100mm thick.
Provide doors, windows, ventilators, lintels and sunshades as per standard dimension.
Draw the plan, section and elevation of the given line diagram?

