

**B. Tech. 5th Semester (F) Scheme (Fire Tech. & Safety)****Examination, December-2018****BUILDING DESIGN AND DRAWING****Paper-FT-303-F*****Time allowed : 3 hours]******[Maximum marks : 100***

***Note : Attempt any five questions in total. Question No. 1 is compulsory and one question must be attempted from each section.***

1. (a) Explain the various type of doors.  
(b) Discuss the Building Code.  
(c) What do you mean by thermal insulation ?  
(d) Discuss the designing of the staircase. 4×5=20

**Section-A**

2. Make the drawing of the various types of grillage and raft. 20
3. How will you draw the lintels and arches ? 20

**Section-B**

4. Explain the FAR terminology in detail. 20
5. Which types of factors must be followed to provide the electrification, water supply and drainage in any building? 20

**Section-C**

6. Write the designing procedure and prepare the detailed drawing of the any commercial building. 20

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7. Prepare the detailed drawing of the doors, windows and ventilation. 20

**Section-D**

8. Discuss the energy efficient building in detail. 20
9. Explain the elements of perspective drawing in detail. 20