

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE
B.Arch, I.D., Winter 2016-17 Examination

Semester: III

Subject Code: 01101202

Subject Name: Building Materials & Construction Technology -III

Date: 12/12/2016

Time: 10:00 am to 01.00 pm

Total Marks: 50

Instructions:

1. Each section carries 25 marks.
2. **Q1** and **Q2.a** are compulsory questions of each section.
3. **Q2.b** has sub optional questions.
4. Only one question has to be attempted between **Q3** and **Q4** in each section
5. Figures to the right indicate full marks.
6. Write section-A, section-B on separate answer sheets.

SECTION: A

- Q.1** Draft/ Sketch a suitable scale; Plan & Section of a dog-legged staircase for a floor height of 3000mm. The width of the flight is 900mm. Also label all the components of the Staircase. (10)
- Q.2** (a) Explain the following with Sketches : (05)
1.Riser, 2.Lock Rail, 3.Handrail, 4.Post, 5.Panel
- Q.2** (b) Explain Fully Glazed Door & Panelled Door with Schematic Sketch. (05)

OR

- Q.2** (b) Explain the parameters to be considered while locating doors and windows in a building. (05)
- Q.3** Enlist & label the various components of a Door & a Window with the help of a schematic sketch. (05)
- Q.4** Answer the following: (any one) (05)
1. Plumbing fixtures
2. Enlist & explain the various types of Urinals

SECTION: B

- Q.1** Explain Door & Window. Enlist the schematic sketches of at least two types of Doors & two types of Window. (10)
- Q.2** (a) Explain the following with sketches : (05)
1. Staircase, 2.Tread, 3.Architrave, 4.Stile, 5. landing
- Q.2** (b) Write the difference between Dormer Window & Gable Window (05)

OR

- Q.2** (b) Write the difference between Collapsible Door & Louvered Door (05)
- Q.3** Define Staircase. Enlist various types of Staircase. (05)
- Q.4** Answer the following: (any one) (05)
1. Sanitary fixtures
2. Enlist & explain the various types of Wash Basin