

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE Arch. – SEMESTER – II • EXAMINATION – WINTER 2013**

**Subject Code: 1025003**

**Date: 18-12-2013**

**Subject Name: Building Construction - II**

**Time: 10:30 am - 01:30 pm**

**Total Marks: 50**

**Instructions:**

1. Attempt all questions.
2. Make suitable sketches wherever necessary.
3. Figures to the right indicate full marks.

**Q.1** Design and sketch proportionately or draft a single shutter wooden paneled door in an opening size of 1000 x 2100 MM. Show Plan, Elevation, Section & minimum two details for the same. **10**

**Q.2** Sketch or draft any two: **06**

- 1) Segmental Arch
- 2) Flat Arch
- 3) Three-centered Arch
- 4) Trefoil Arch

**Q.3** Define any four: **08**

- 1) Arch
- 2) Foundation
- 3) Retaining wall
- 4) Staircase
- 5) Window

**OR**

**Q.3** Sketch or draft elevations of any two types of door considering an opening size of 1000 x 2100 MM: **08**

- 1) Pivot door
- 2) Louvered door (Fixed or Adjustable louvers to be considered)
- 3) Ledged, Battened & Braced door

**Q.4** Enlist types of Staircase and sketch or draft a Sectional elevation of a dog legged staircase indicating all the parts, with minimum two details. **10**

**OR**

**Q.4** Draw a typical semicircular brick arch in an opening size of 1200 x 2100 MM. Consider a wall thickness of 230 MM and show plan and elevation indicating all the parts of an arch. **10**

**Q.5** Draw any two details: **06**

- 1) Stile and top rail of a Paneled door
- 2) Slider channel with the top rail of a sliding door
- 3) Floor spring with the bottom rail of a glazed shutter side pivoted door

**OR**

**Q.5** Enlist and sketch types of foundation. **06**

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