

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**
