

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Architecture – SEMESTER – I • EXAMINATION – SUMMER • 2014

Subject Code: 3316202

Date: 11-06-2014

Subject Name: Technical Drawing - I

Time: 02:30 pm - 05:00 pm

Total Marks: 40

Instructions:

1. Attempt any five questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable and Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

- Q.1** Draw a regular hexagon with all sides equal and given one side as 45 mm **8**
OR
Draw a regular octagon with all sides equal and given one side as 50 mm **8**
- Q.2** (A) Draw an orthographic projection of a point: **8**
(i) A point 55 mm above HP and 60 mm in front of VP
(ii) A point 85 mm above HP and 35 mm in front of VP
(B) Draw an orthographic projection of a square plane which is 35 mm above HP and 25 mm in front of VP
(C) Draw an orthographic projection of 65 mm line which is 40 mm above HP and 35 mm in front of VP
- Q.3** (A) Draw an ellipse by concentric circle method. (AB=100mm, CD=50mm) **8**
(B) Draw a perpendicular to a given line from a point within it. (AB= 100mm)
 - When the point is near the middle of the line.
 - When the point is near the end of the line.
- Q.4** Draw a segmental arch having span as 3000 mm.
- Q.5** (A) Draw a line through a given point, parallel to a given straight line. (AB= 150 mm) **8**
(B) Trisect a given right angle.
- Q.6** Draw an Isometric view of a triangular prism with all sides as 35 mm and height as 65 mm **8**
OR
Draw an Axonometric view of square base pyramid with all sides as 45 mm and height as 55 mm. **8**
