

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
D ARCH - SEMESTER- I - EXAMINATION – SUMMER 2016

Subject Code: 3316202

Date: 07/06/2016

Subject Name: Technical Drawing - I

Time: 02:30 PM TO 4:30 PM

Total Marks: 40

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a) Divide a line of 100 mm into 7 equal parts. (04)
(b) Taking a standard size of a brick, show two different rendering techniques in them. (04)
- Q.2 (a) Bisect an angle of 75 degrees. (04)
(b) Sketch Architectural symbols for shrubs, stone, sand and a tree. (04)
- Q.3 (a) Draw a regular pentagon of sides 40 mm each. (04)
(b) Draw a pyramid with a square base of 50 mm sides and 80 mm height. (04)
- Q.4 (a) Draw an orthographic projections of a point: (04)
(i) A point 70 mm above HP and 55 mm in front of VP.
(ii) A point 20 mm above HP and 90 mm in front of VP.
(b) In a square of 7 cms side, show the hatching for brick and concrete. (04)
- Q.5 (a) Draw an Isometric view of a cylinder with a 50 mm diameter and 80 mm height. (04)
(b) Draw an Axonometric view of a square base prism with all sides as 40 mm and Height as 70 mm. (04)
- Q.6 Draw a semi circular arch with a span of 1500 mm to a scale of 1:10 (08)