

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER-I/II • EXAMINATION – SUMMER - 2017

Subject Code: 3316202**Date: 03-06-2017****Subject Name: Technical Drawing- I****Time: 02:30 PM TO 05:30 PM****Total Marks: 40****Instructions:**

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

- Q.1 (a)** Construct an equilateral triangle of given altitude 50 mm. **04**
- (b)** Draw a regular octagonal with given one side as 60 mm. **04**
- Q.2 (a)** Divide a line of 110 mm in to 10 equal parts. **04**
- (b)** Draft hatch patterns in 50 x 80 mm box of the following. **04**
- 1) Wood 2) Brick 3) Metal 4) Concrete
- Q.3 (a)** Draw an isometric view of a cone with a 50 mm diameter and **04**
height 70 mm.
- (b)** Draw an axonometric view of a pyramid of base 60 x 60 mm and **04**
80 mm height
- Q.4 (a)** Bisect an angle of 75 degrees. **04**
- (b)** Draw a pyramid with a square base of 50 mm sides and 80 mm **04**
height.
- Q.5 (a)** Draw a semi circular arch with a span of 1500 mm to a scale of **04**
1:10
- (b)** Sketch Architectural symbols for shrubs, stone, sand and a tree. **04**
