

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BID- SEMESTER- I EXAMINATION – WINTER 2023

Subject Code: 2X15106

Date: 30-12-2023

Subject Name: Technical Representation of Drawing (TRD)-I

Time: 10:30 AM TO 01:30 PM

Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

General Notes:

- Write each question with the proper guideline of 5 mm height in your sheet.
 - Write proper nomenclature for every drawing.
 - Line weights, neatness and correctness in the drawing should be maintained.
 - Draw explanatory diagrams wherever required.
-

Q.1 Explain the Isometric drawing system in brief with the help of diagrams. (05)

Q.2 Draw a perpendicular line to any given line through geometrical construction. (05)

OR

Q.2 Trisect a 90-degree angle through geometrical construction. (05)

Q.3 Explain the difference between a prism and a pyramid with the help of diagrams & terminology. (05)

OR

Q.3 Draw an equilateral triangle and equilateral pentagon with the help of geometrical construction. (05)

Q.4 Explain the difference between One-point and two-point perspectives in detail, with Examples. (10)

Q.5 Draw an orthographic projection of a pentagonal prism, side 4 cm, height/axis 6 cm, having its base on the Horizontal plane (HP) and one edge of the base parallel to the Vertical plane (VP). (15)
