



In-Sem Examination-Winter 2023

Exam Seat No.:

Academic Year:2023-2024

Semester:I

Name of Programme: B.Tech

Pattern:2023

Name of Course: Engineering Drawing

Course Code: 2300110A

Max. Marks: 30

Duration:1 hr

**Instructions:** Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains one page.
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question

**Question No. 1 Attempt following Question**

A)

A 65 mm long line CD has an elevation length 45 mm and plan length 60mm. Point C is 15 mm above HP and 10 mm in front of VP. Draw the projections of line and find its true and apparent inclinations with reference planes. (15) CO4

**OR**

B)

A line AB of 57 mm length is inclined at  $35^{\circ}$  to HP and  $30^{\circ}$  to VP such that its point A is on HP and 15 mm in front of VP. Draw the projections of line and find its elevation length, plan length and apparent inclinations with reference planes. (15) CO4

**Question No. 2 Attempt following Question**

A)

An isosceles triangular plane of base side 30 mm and altitude 70 mm is resting on HP on its base side such that its surface makes  $35^{\circ}$  with HP and altitude of it makes  $25^{\circ}$  with VP. Draw the projection of plane. (15) CO4

**OR**

B)

A hexagonal plane of 32mm side is resting on HP on one of its sides such that its surface makes  $50^{\circ}$  with HP and resting side makes  $45^{\circ}$  with VP. Draw the projections of the plane. (15) CO4

