



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

	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 Two pages.
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 of the Question/sub-question

Question No. 1 Attempt following Question

A)

A line CD 52 mm long is inclined at 43° to HP and 32° to VP such that its point C is 14 mm above HP and 12 mm in front of VP. Draw the projections of line and find its elevation length, plan length and inclinations with reference planes. (15) CO4

OR

B)

A 72 mm long line AB appears as 57 mm in elevation. The elevation length is inclined at 42° to HP and point A is 7mm above HP and 15mm in front of VP. Draw the projections of line and find its unknown parameters. (15) CO4

Question No. 2 Attempt following Question

A)

A rectangular plane of smaller side 23mm and longer side 50mm long is resting on HP on one of its smaller side. Its surface is inclined to HP such that it appears as a square in plan. Draw the projections of the plane if its resting side makes 45° with VP and find surface inclination of it with HP. (15) CO4

OR

B)

A square plane of 43mm side is resting on HP on one of its corner such that its surface makes 32° with HP and the diagonal passing through resting corner makes 23° with VP. Draw the projections of the plane. (15) CO4