

Instructions:

- 1) All questions are compulsory.
- 2) Figures in rounded () brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
- 3) CO is the index number of the Course Outcome statement.
- 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
- 5) Assume suitable data if necessary.
- 6) Use of non-programmable calculators is allowed

Q.1 Solve any TWO

		Marks	BT Level	COs
A	A FV of line BC measures 70 mm and it is inclined at an angle of 60°. A TV of line measures 45 mm. Complete its projections if point B is 10 mm above HP and 15 mm in front of VP.	7	3	1
B	A line AC 81 mm long is inclined with HP by 42° and VP by 28°. The point A is 15 mm in front of VP and 20 mm above HP. Complete its projections.	7	3	1
C	Complete the projection of line AB if point A is 10 mm above HP and 15 mm in front of VP. The point B is 60 mm above HP and 55 mm in front of VP. The distance between end projectors is 65 mm.	7	3	1

Q.2	A	A rectangular plate of size 45 mm X 55 mm is resting on VP on one of its large side. The surface of plate makes an angle 45° with VP. The edge on which plate rests makes an angle 35° with HP. Complete the projections.	11	4	1
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