CMR INSTITUTE OF TECHNOLOGY	USN										

Internal Assessment Test - II

Sub:	Computer Aided Engineering Drawing							Code:	15CED24
Date:	09 / 05 / 2017	Duration:	90 mins	Max Marks:	50	Sem:	II	Branch:	A,B & C

	Answer for any one ***from each part***	Marks	OBE	
			CO	RBT
	PART-A			
1.	Draw the isometric projection of a rectangular prism of 60 x 80 x 20mm thick surmounting a tetrahedron of sides 45mm such that the axes of the solids are collinear and at least one of the edges of both the solids are parallel to VP.	20	CO1	L1
2.	A cone of base diameter 50mm and height 50mm is placed centrally on an equilateral triangular prism of side 100mm and 20mm thick. Draw the isometric projection of the combination.	20	CO1	L1
	PART-B			
3.	A tetrahedron of 55mm sides rests on one of its corners such that the edge containing that corner is inclined to HP at 50º and VP at 30º. Draw the projections.	30	CO1	L3
4.	A square pyramid 35mm sides of base and 60mm axis length rests on HP on one of its corners of the base such that two base edges containing the corner on which it rests make equal inclinations with HP. Draw the projections of the pyramid when the axis of the pyramid is inclined to HP at 40º and appears to be inclined to VP at 45º.	30	CO1	L3

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Date:	09 / 05 / 2017	Duration:	90 mins	Max Marks:	50	Sem:	II	Branch:	D,E,F&G

	Answer for any two questions	Marks	OBE	
			CO	RBT
1.	A tetrahedron of 55mm sides rests on one of its corners such that the edge containing that corner is inclined to HP at 50º and VP at 30º. Draw the projections.	25	CO1	L3
2.	A square pyramid 35mm sides of base and 60mm axis length rests on HP on one of its corners of the base such that two base edges containing the corner on which it rests make equal inclinations with HP. Draw the projections of the pyramid when the axis of the pyramid is inclined to HP at 40º and appears to be inclined to VP at 45º.	25	CO1	L3
3.	A hexagonal prism 25mm sides of base and 50mm axis length rests on HP on one of its edges of the base. Draw the projections of the prism when the axis is inclined to HP at 45º and VP at 30º.	25	CO1	L3

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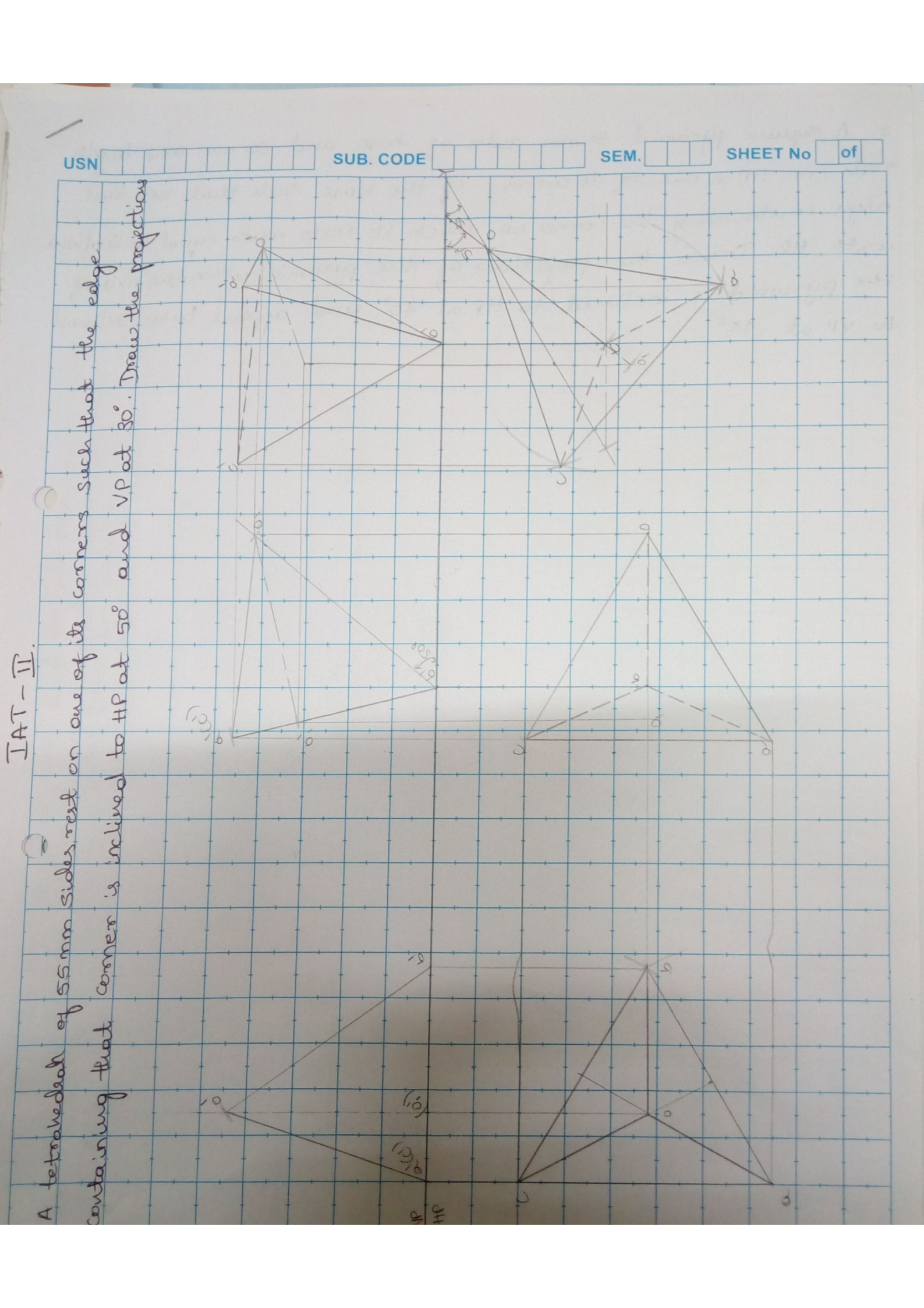
IAT - II.

A tetrahedron of 55 mm sides, rest on one of its corners such that the edge containing that corner is inclined to HP at 50° and VP at 30°. Draw the projections



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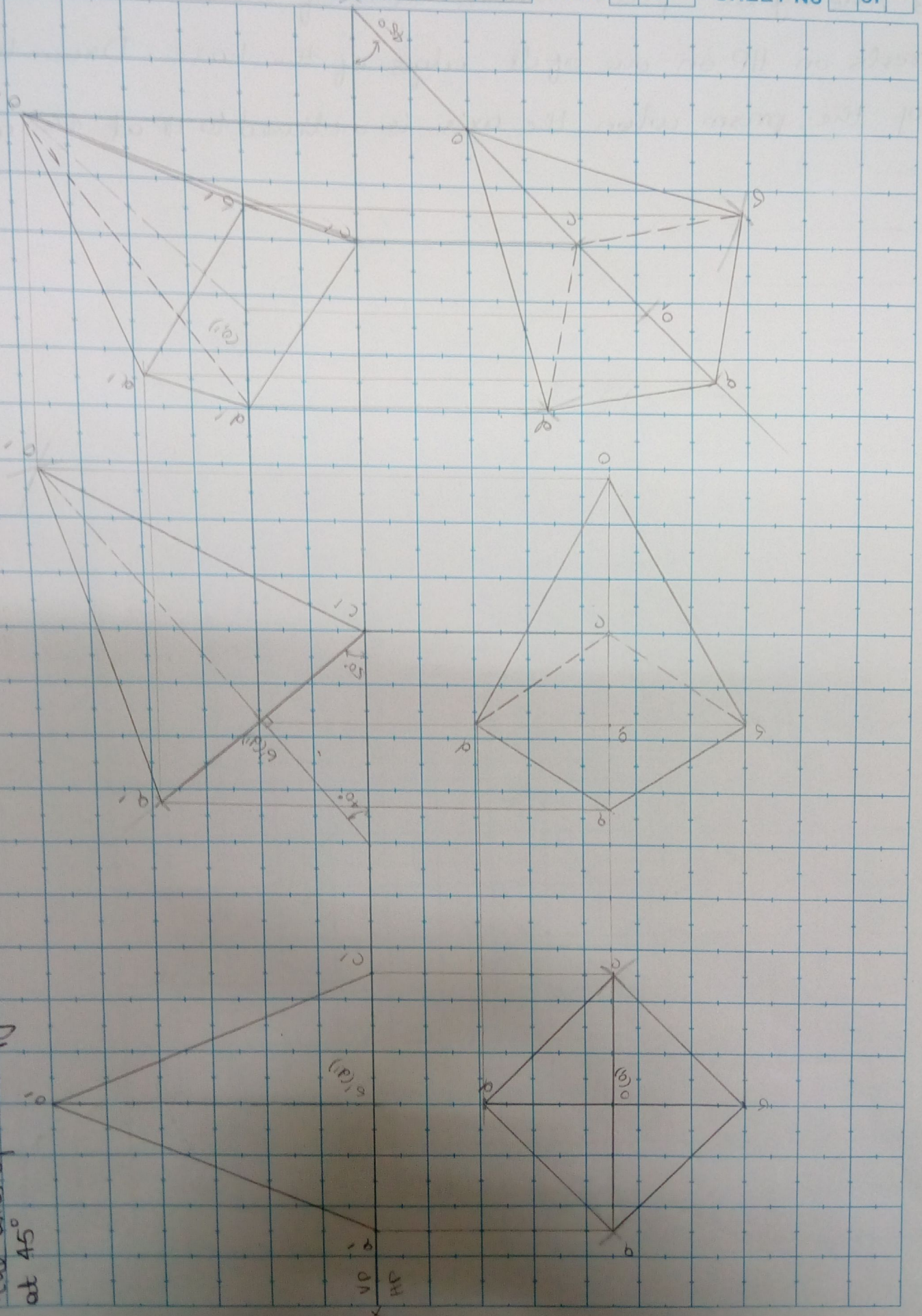
A square pyramid 35mm sides of base and 60 mm axis is resting on HP on one of its corners of the base such that two base edges containing corner on which it rests make equal inclinations with HP. Draw the projections of the pyramid when the axis of the pyramid is inclined to HP at 45° and appears to be inclined to VP at 45°



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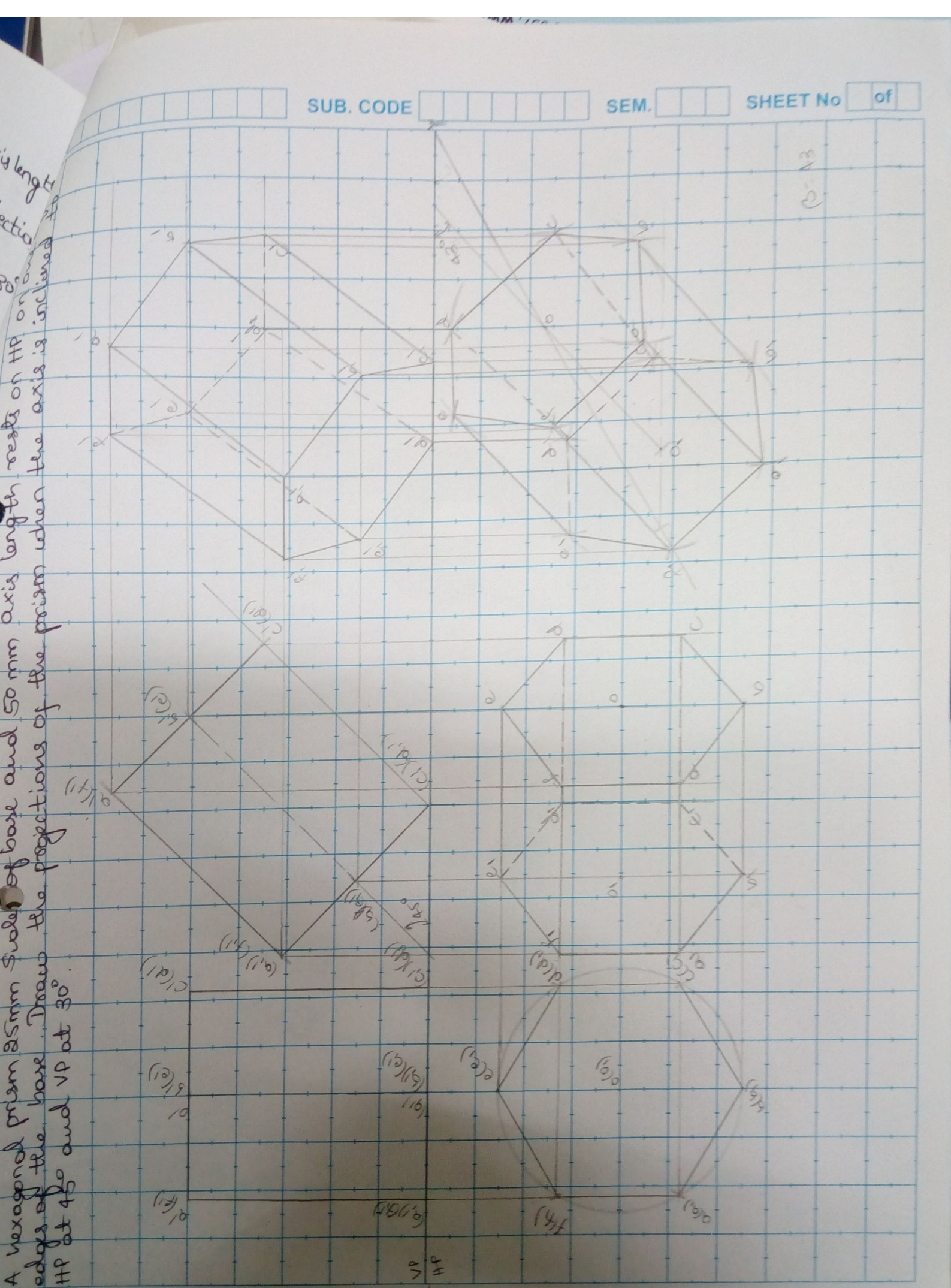
A hexagonal prism 25mm side of base and 50 mm axis length rests on HP on one of the edges of the base. Draw the projections of the prism when the axis is inclined at 45° to HP and VP at 30°.



Date :

Scale : 1 Unit = 10 mm

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