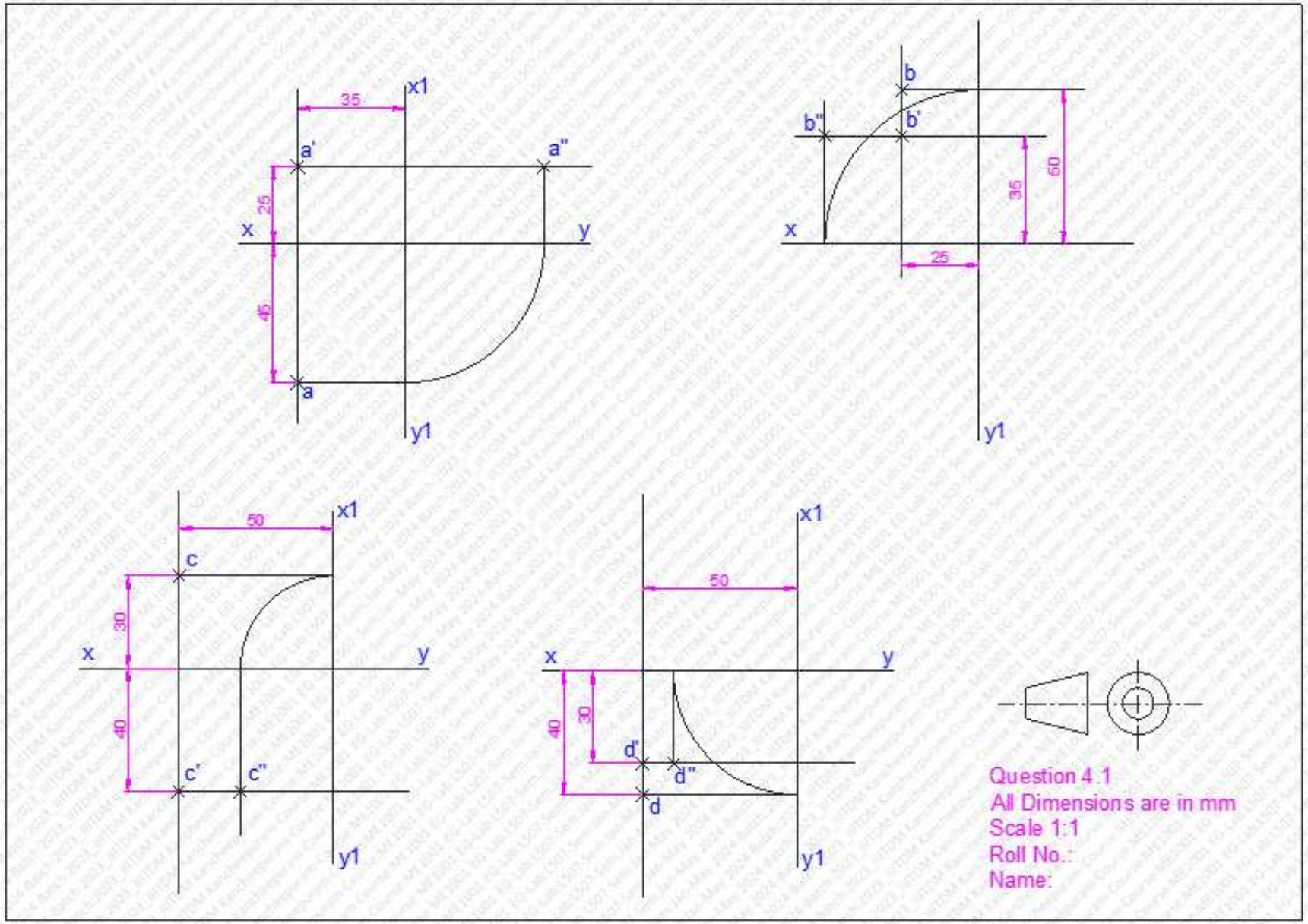
4.1. *Draw the three projections of the following points (A to I): (9 Marks)*

Ref: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, ***Page No.: 215, Exercise 7.1***

Point	HP	VP	RPP
A	25 above	45 in front	35 in front
B	35 above	50 behind	25 in front

Point	HP	VP	RPP
C	40 below	30 behind	50 in front
D	30 below	40 in front	50 in front

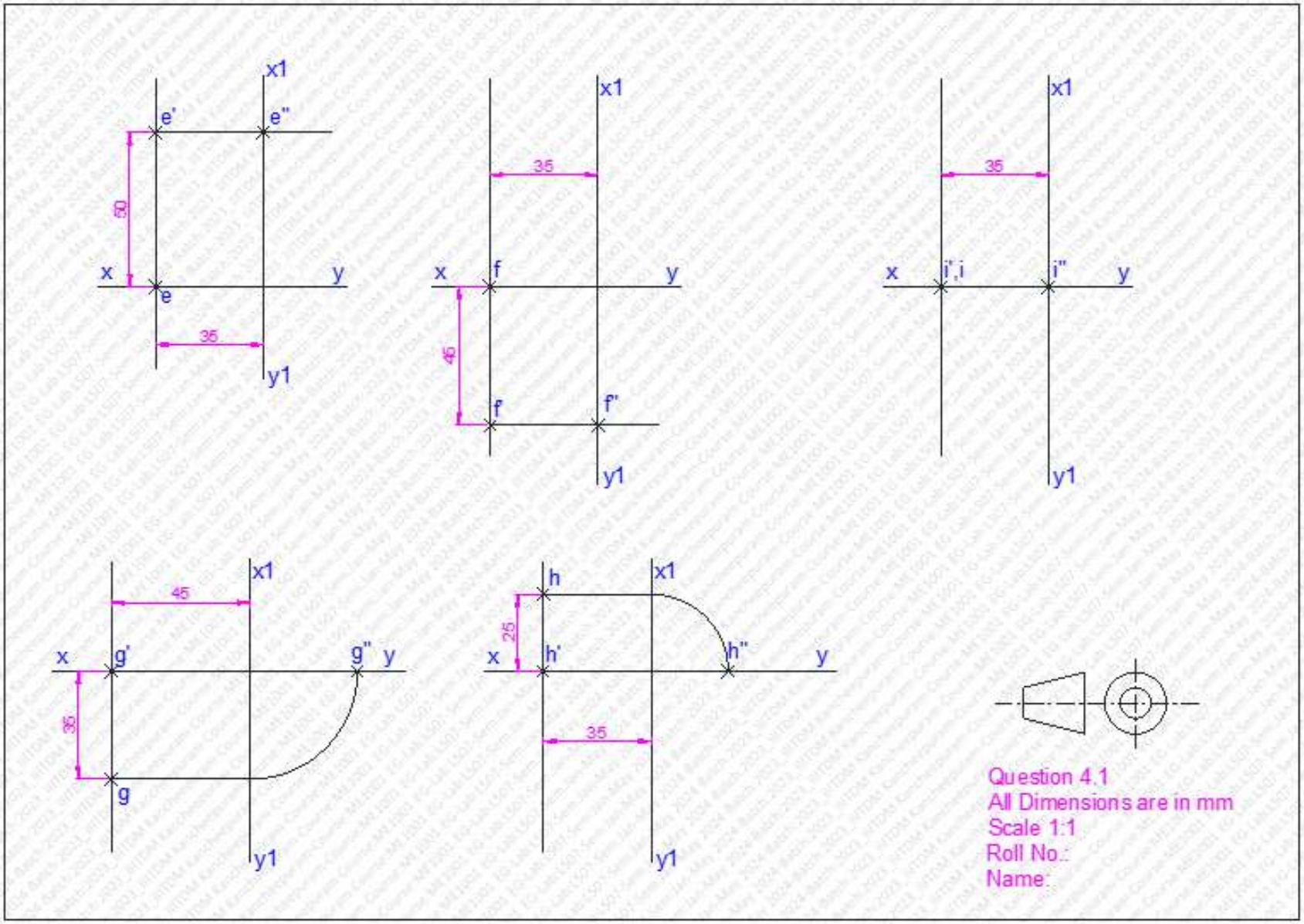


4.1. *Draw the three projections of the following points (A to I): (9 Marks)*

Ref: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, ***Page No.: 215, Exercise 7.1***

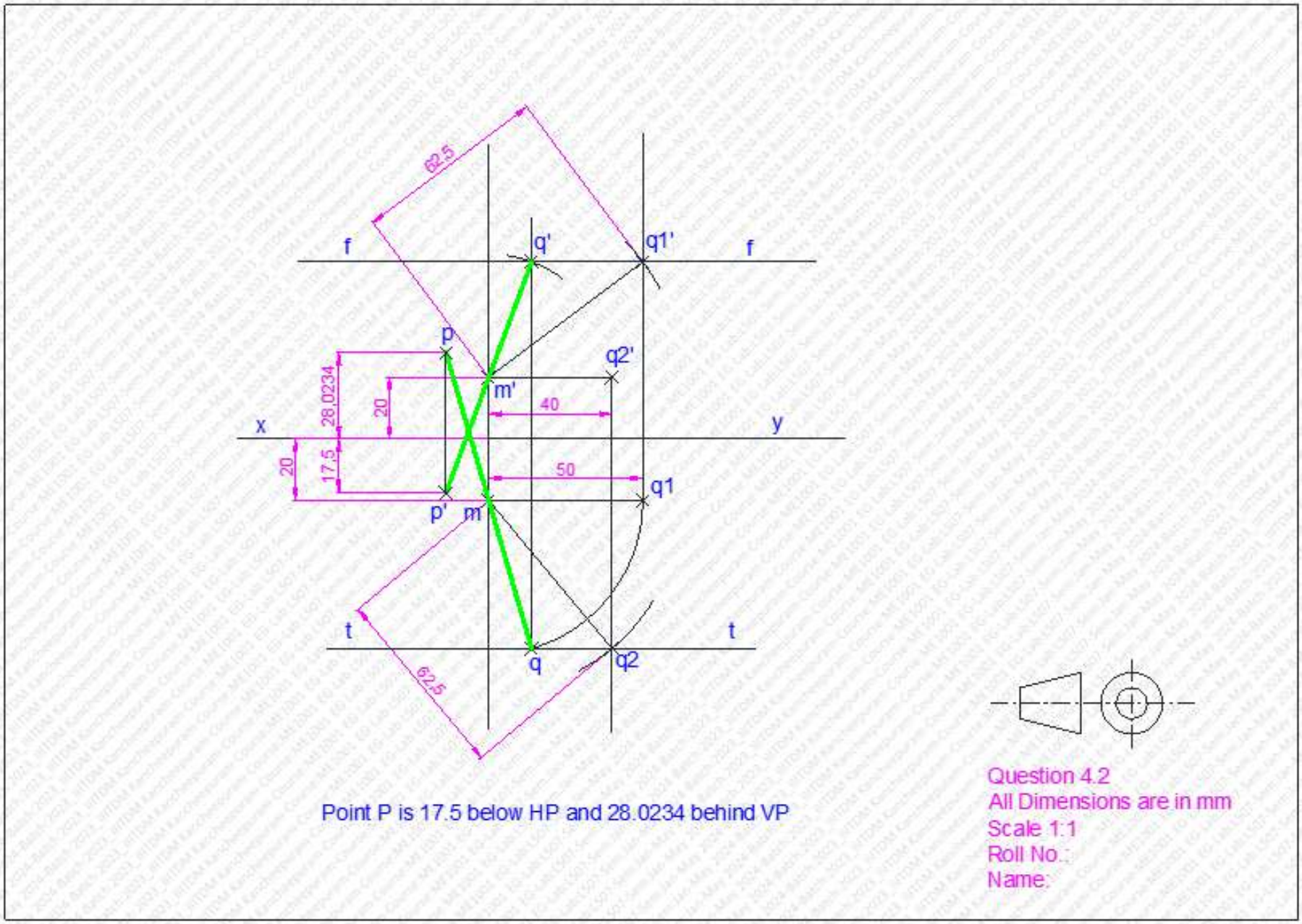
Point	HP	VP	RPP
E	50 above	On VP	35 in front
F	45 below	On VP	35 in front

Point	HP	VP	RPP
G	On HP	35 in front	45 in front
H	On HP	25 behind	35 in front
I	On HP	On VP	35 in front



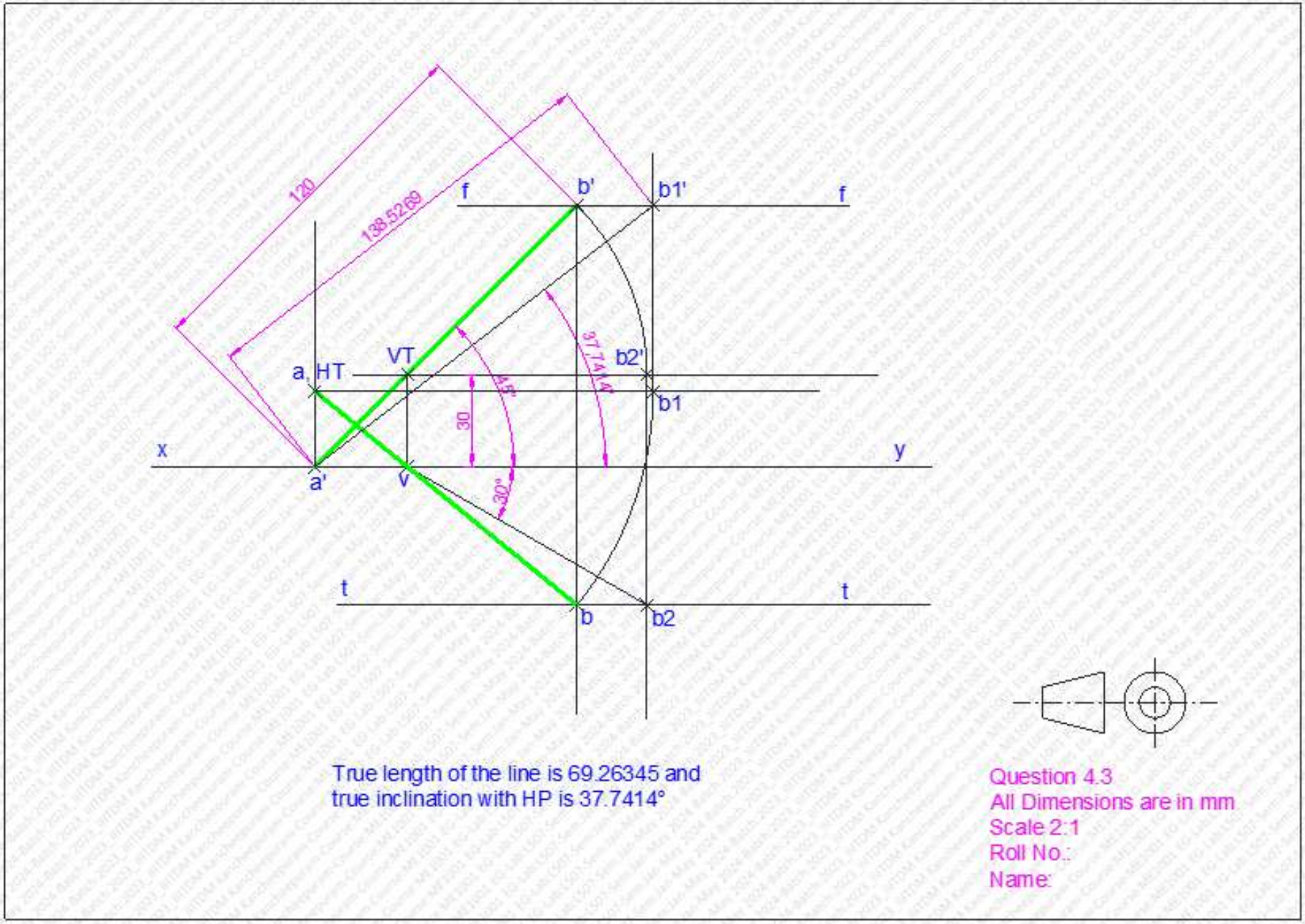
4.2. *The front view of a 125 long line PQ measures 80 and its top view measures 100. Its end Q and the mid-point M are in the first quadrant; M being 20 from both the planes draw the projections of the line PQ. State the position of other end P. (4 Marks)*

Ref: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, **Page No.: 248, Problem 25, Fig. 8.35.**



4.3. *The front view of a line AB measures 60 and makes an angle of 45° with xy. A is in HP and VT of the line is 15 above HP. The line is inclined at 30° to VP. Draw the projections of AB and determine its true length and inclination with HP. Also locate its HT. (6 Marks)*

Ref: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, **Page No.: 266, Problem 45, Fig. 8.55.**



4.4. *The end of the line AB of 100 long is 90 above HP, 80 from PP and 30 in front of VP. The length of the top view is 70 and the projected length of the line on PP is 80. Draw the projections of the line and determine the true inclinations of the line with HP and VP. Also locate the HT and VT. (6 Marks)*

Ref: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, **Page No.: 272, Problem 51, Fig. 8.61.**