Question

Q1. A right regular pentagonal pyramid side of base 30 mm and height 52 mm rests on its base in HP with one of its base edge perpendicular to VP. A section plane parallel to HP cuts the axis of pyramid at a distance of 25 mm from its base. Draw its F.V., sectional T.V.,

Q2. A right regular pentagonal pyramid side of base 30 mm and height 65 mm lies on one of its triangular faces in HP. Its axis is parallel to VP. A section plane perpendicular to VP and parallel to HP cuts its axis at a point P which is 7 mm away from its base. Draw its FV and sectional T.V.

Q3. A pentagonal pyramid side of base 25mm and height 50 mm rest on its base on HP with one of its base edge ⊥ to VP. An auxillary inclined plane ($A_1 \hat{P}$) inclined to HP at 45° cuts the pyramid bisecting its axis. Draw its F.V, sectional TV and true shape of section.

Q4. A right hexagonal prism side of base 25 mm and length of axis 72 mm lies on one of its rectangular faces in HP with its axis inclined at 30° to VP. A vertical section plane ⊥ to VP cuts the axis at a distance of 6 mm from the end face away from the VP. Draw its T.V. and sectional F.V.

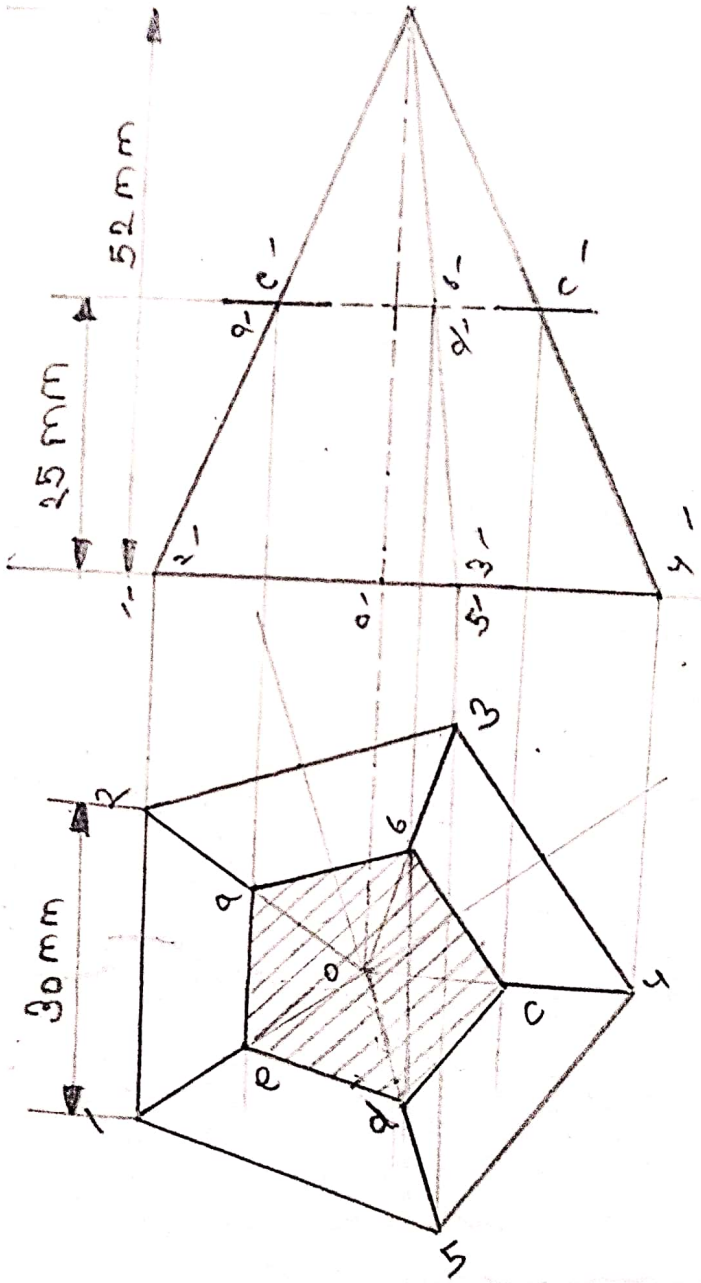
lies on one of its triangular faces in HP. Its axis is parallel to VP. A section plane perpendicular to VP and parallel to HP cuts its axis at a point P which is 7 mm away from its base. Draw its FV and sectional T.V.

Q3. A pentagonal pyramid side of base 25 mm and height 50 mm rest on its base on HP with one of its base edge ⊥ to VP. An auxillary inclined plane (A I P) inclined to HP at 45° cuts the pyramid bisecting its axis. Draw its F.V, sectional TV and true shape of section.

Q4. A right hexagonal prism side of base 25 mm and length of axis 72 mm lies on one of its rectangular faces in HP with its axis inclined at 30° to VP. A vertical section plane ∥ to VP cuts the axis at a distance of 6 mm from the end face away from the VP. Draw its T.V. and sectional F.V.

Q5. A right hexagonal pyramid side of base 25 mm and height 57 mm rests on its base on HP with one of its sides ∥ to VP. A section plane ⊥ to HP and inclined to VP at 45° cuts the pyramid and passes at a distance of 7 mm from the axis. Draw its TV, sectional F.V. and true shape of the section.

1.



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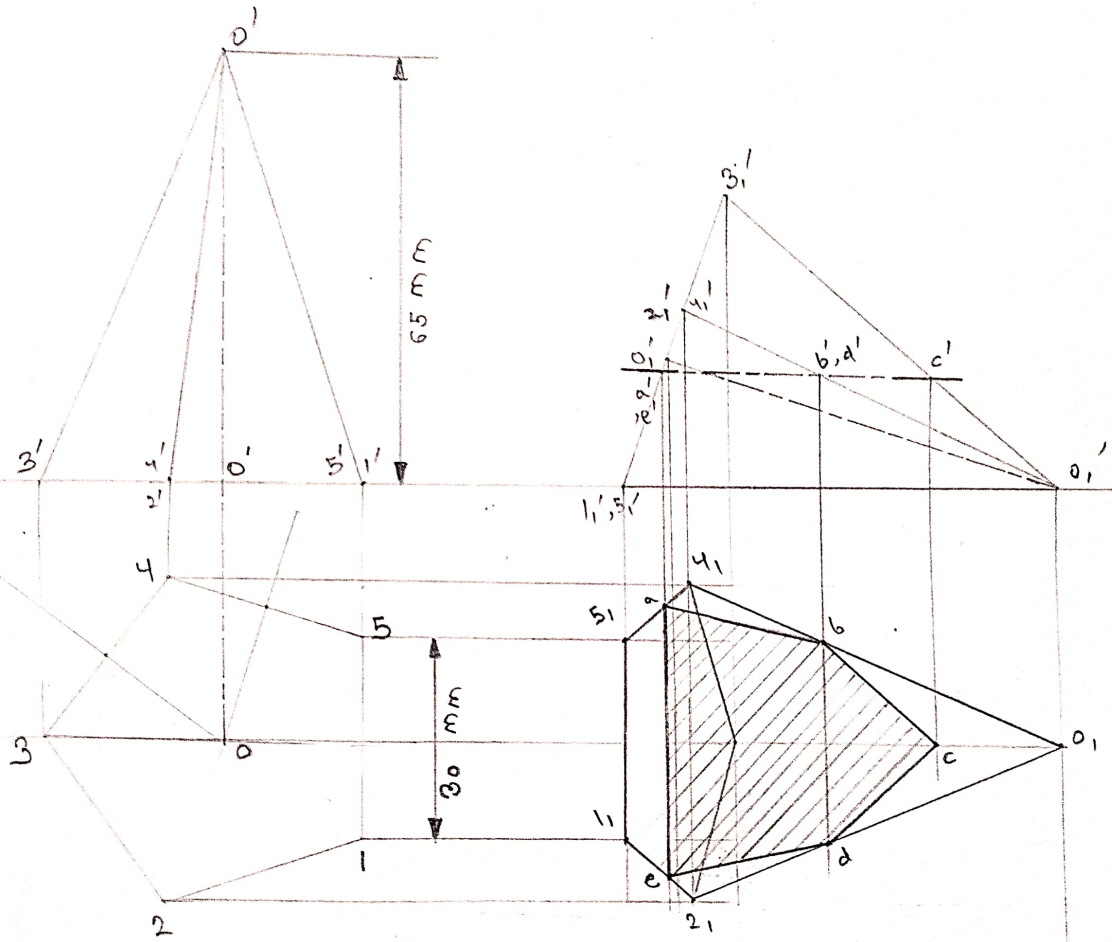

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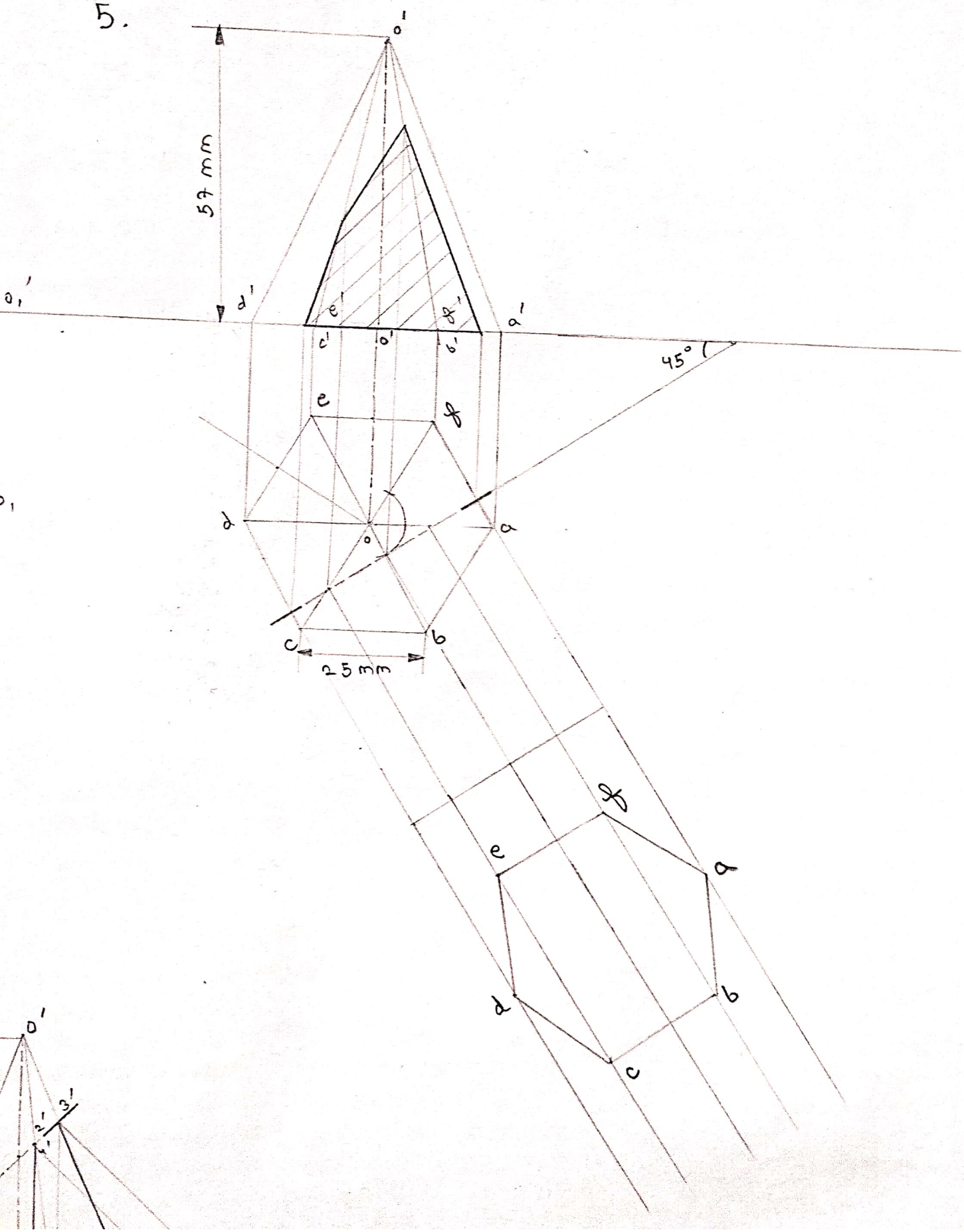

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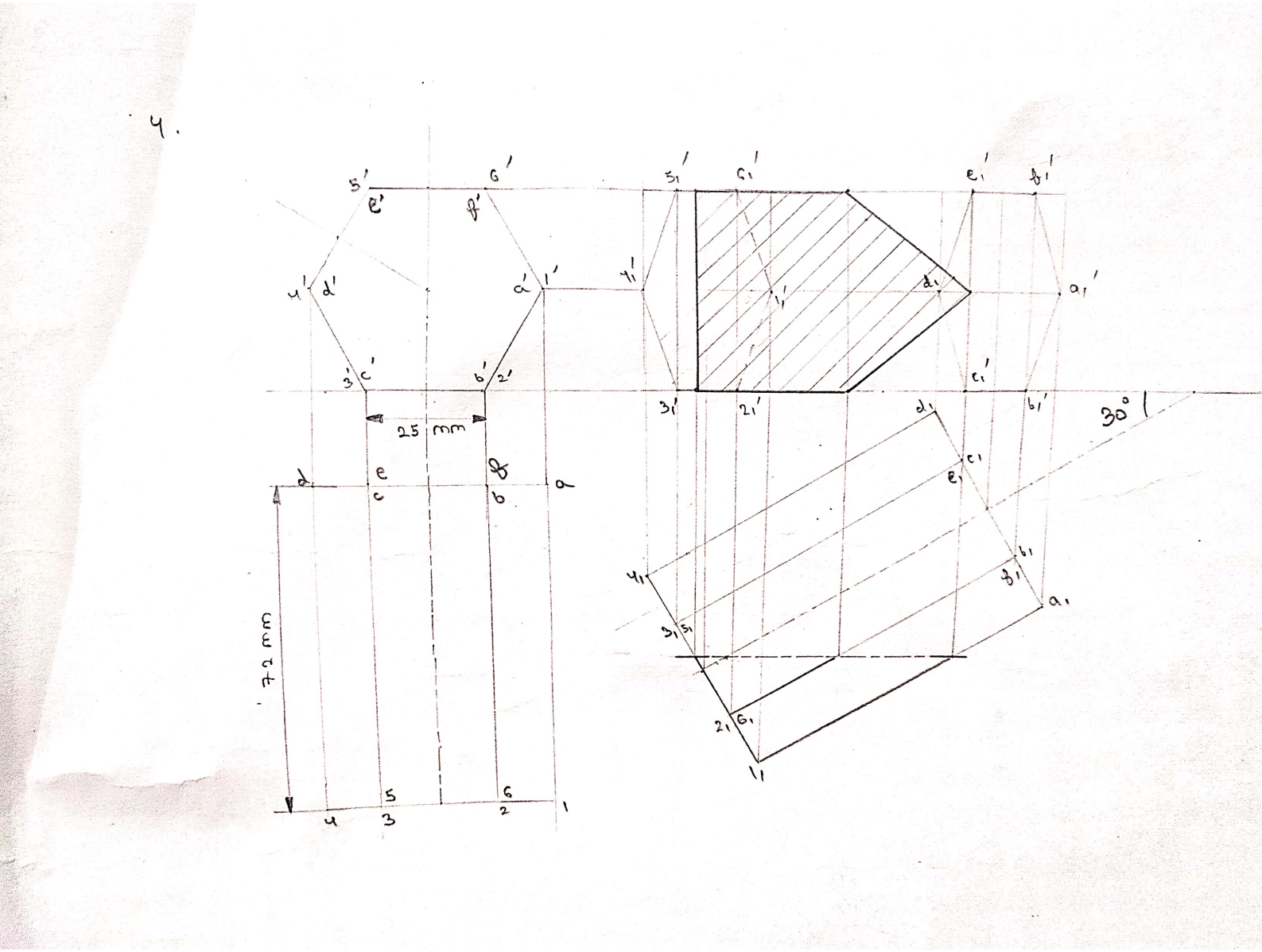

3.