

# **PROJECTION OF PLANES-I**

Q1. A square lamina ABCD of 30mm side is parallel to H.P. and is 15 mm from it & its plane is perpendicular to V.P. Draw its projection.

Q2. A regular hexagonal lamina of side 25 mm rests on H.P. such that one of its sides is parallel to V.P. Draw its projection in first quadrant.

Q3. A regular pentagonal lamina ABCDE of 25 mm side has its side CD lies in H.P. Draw its projection when its plane is parallel to and 15 mm in front of V.P.

Q4. A regular hexagonal lamina ABCD of 20 mm side has its horizontal trace (HT) parallel to and 12 mm below XY line. It has no vertical trace (VT). Draw its projections when all sides are equally inclined to H.P.

Q5. A square lamina of 25 mm side is perpendicular to both H.P. & V.P. Draw its projections.

Q6. A rectangular lamina ABCD of 50x30 mm is inclined to H.P. at 45 deg & perpendicular to V.P. and rests on one of the shorter sides AB in H.P. Draw its projections

Q7. A regular pentagonal lamina ABCDE of 25 mm side lies on one of its corners in H.P. and its plane is inclined at 45 deg to H.P. & perpendicular to V.P. Draw its projections and also show its traces.

Q8. A regular pentagonal lamina ABCDE of 25 mm side lies on one of its corners in H.P. and its plane is inclined at 45 deg to H.P. and perpendicular to V.P. Draw its projections and also show its traces.

Q9. A thin circular plate of 50 mm diameter is held straight and its plane is inclined at 30 deg to V.P. and perpendicular to H.P. A point on the circumference is 20mm in front of V.P. and 30 mm above H.P. Draw its projections.