

ARCHITECTURE GRAPHICS

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Syllabus: **Unit I**

Plane curves and Free hand sketching (18)

Curves used in engineering practices:

Conics – Construction of ellipse, parabola and hyperbola by eccentricity method – Construction of cycloid – construction of involutes of square, pentagon and circle - Drawing of tangents and normal to the above curves.

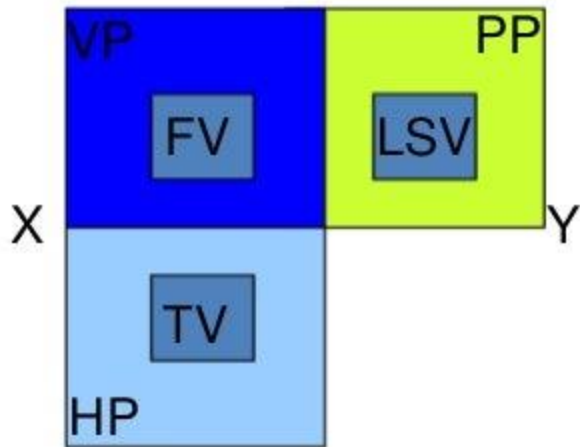
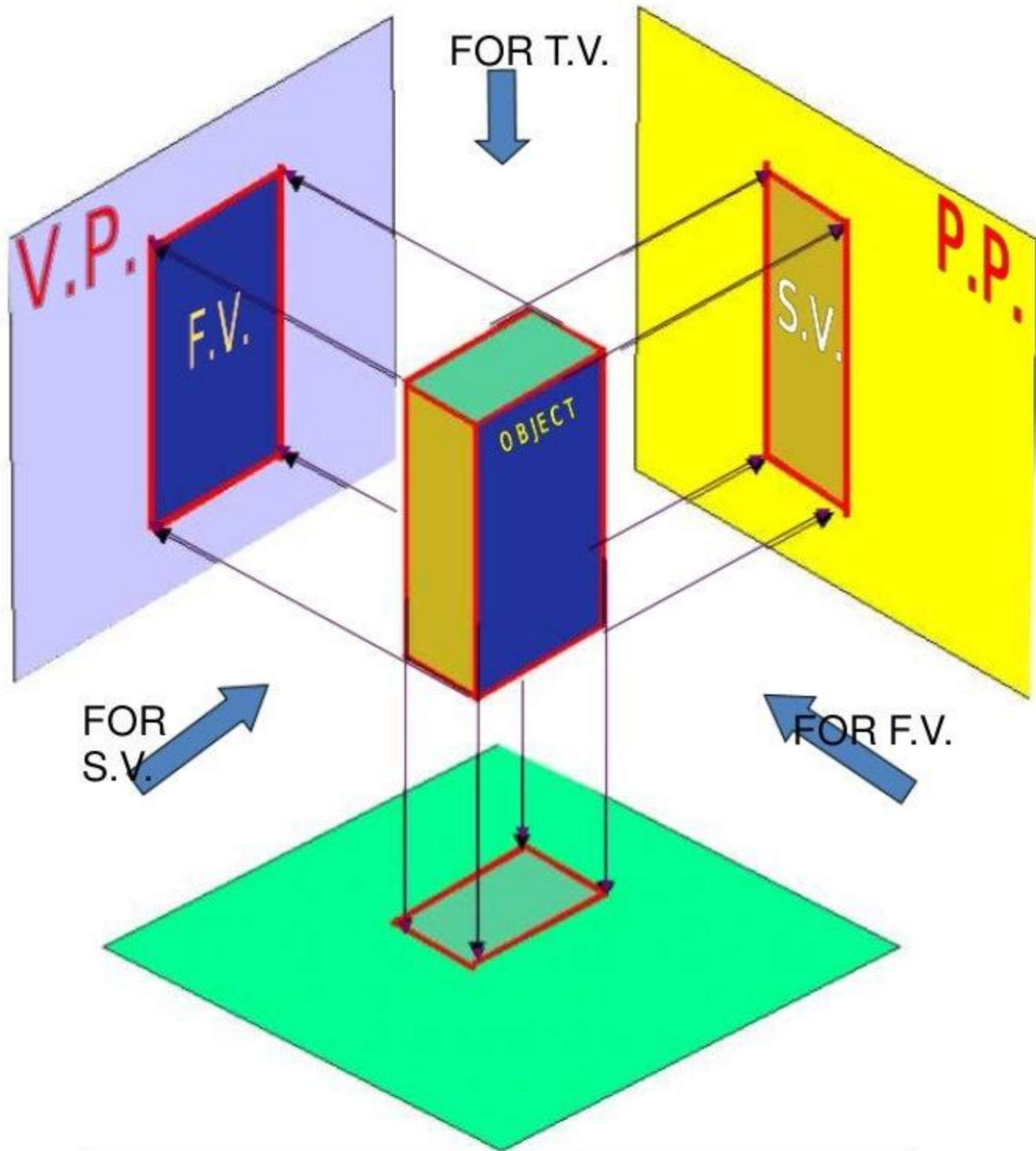
Free hand sketching:

Representation of Three Dimensional objects – Need for and importance of multiple views and their placement – Developing visualization skills through free hand sketching of multiple views from pictorial views of objects.

FIRST ANGLE PROJECTION

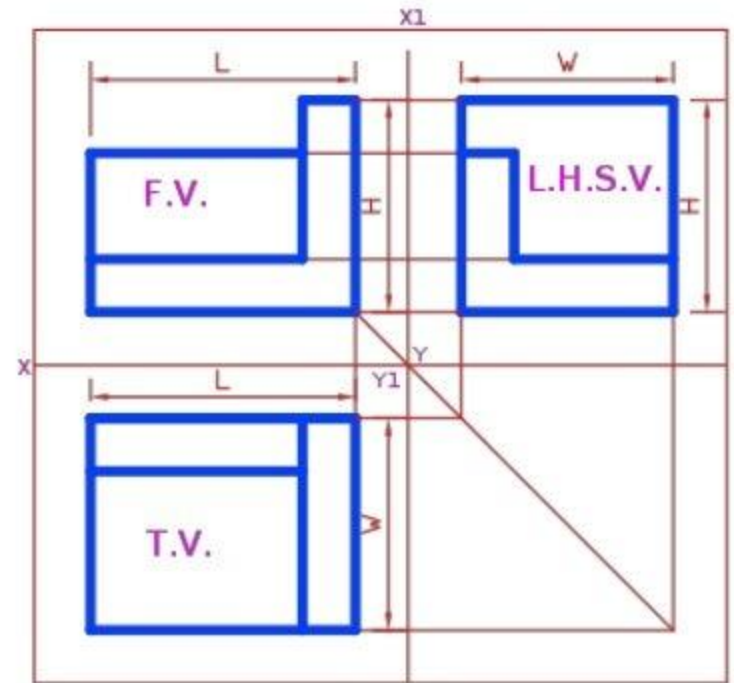
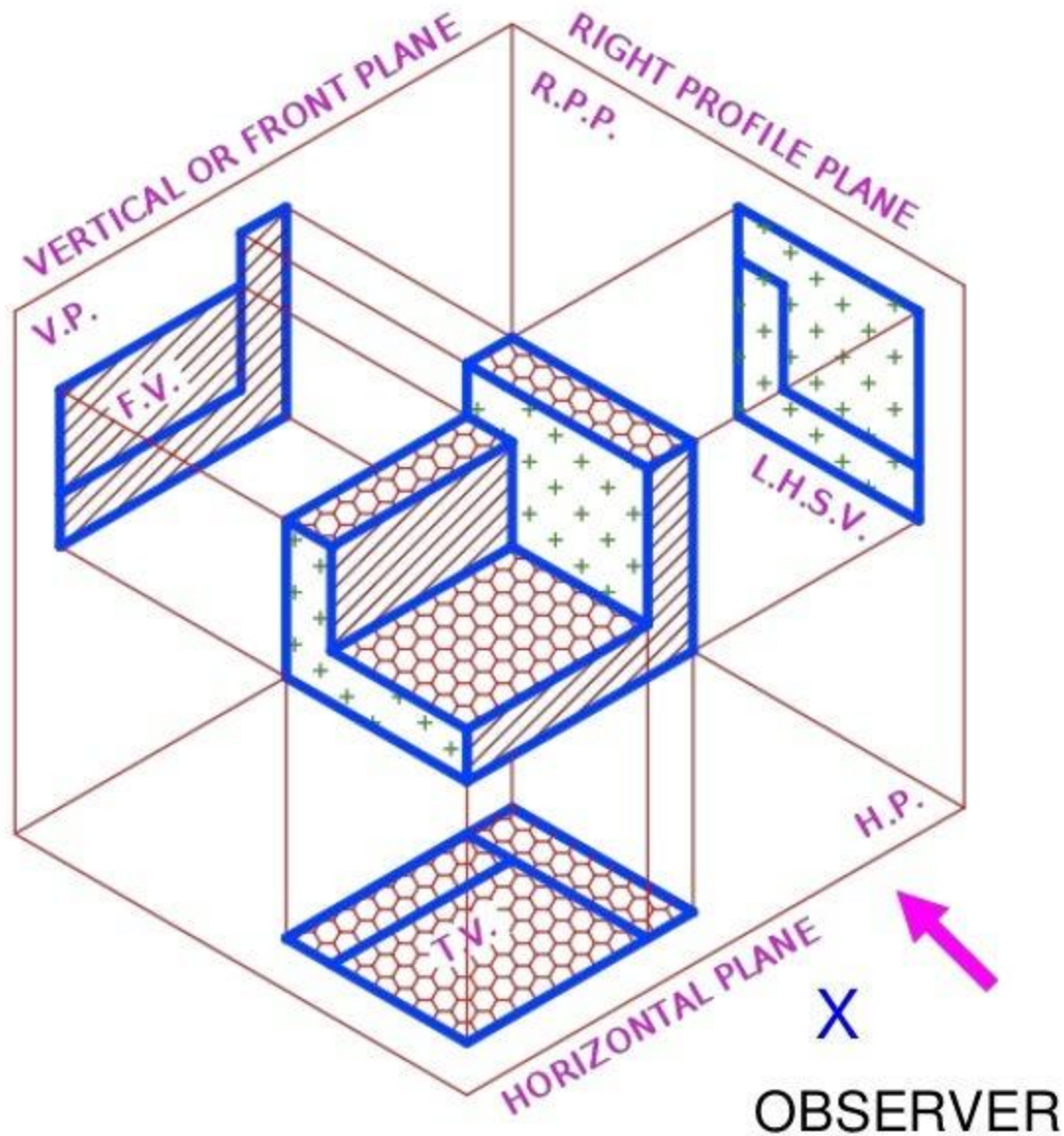
IN THIS METHOD,
THE OBJECT IS ASSUMED TO BE
SITUATED IN FIRST QUADRANT
MEANS
ABOVE HP & INFRONT OF VP.

OBJECT IS IN BETWEEN
OBSERVER & PLANE.

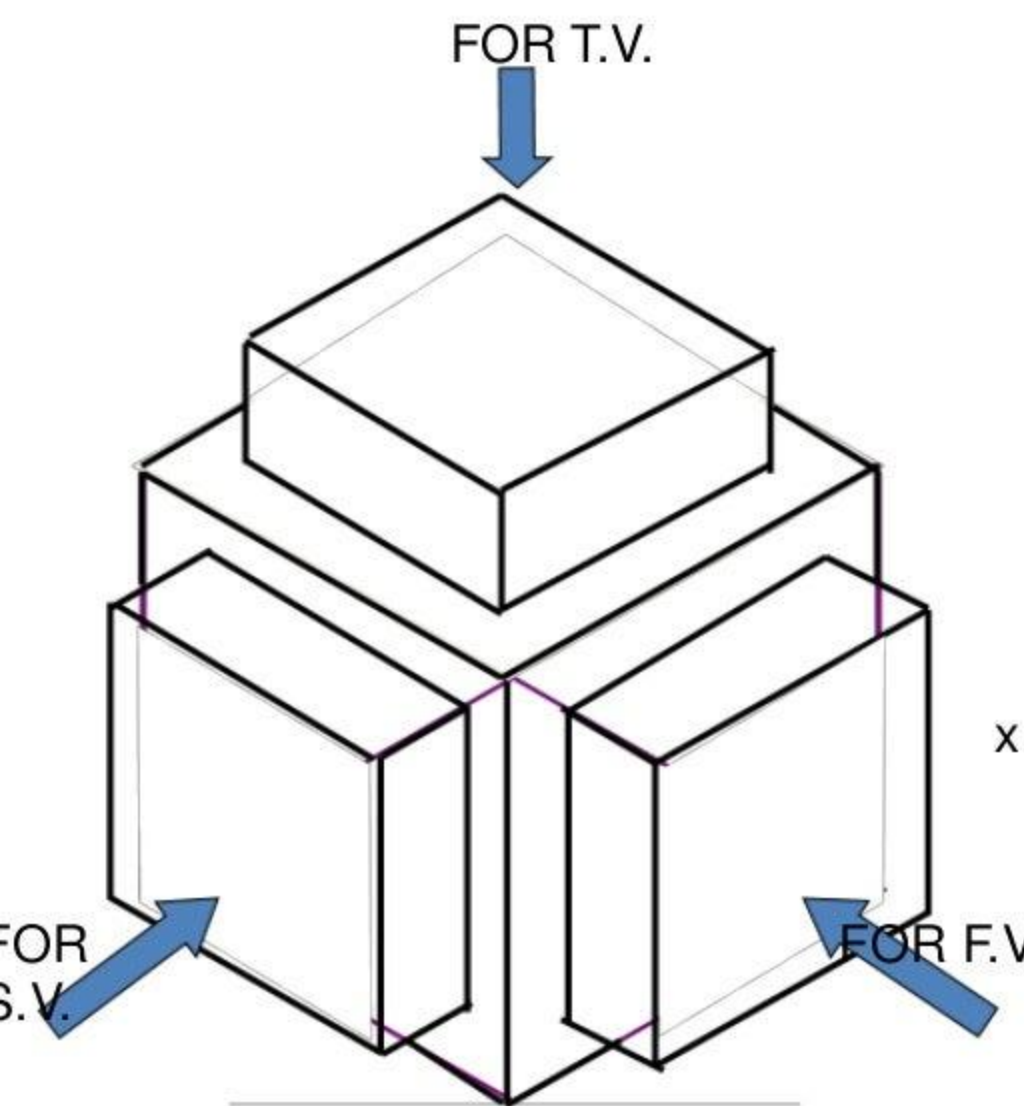


ACTUAL PATTERN OF
PLANES & VIEWS
IN
FIRST ANGLE METHOD
OF PROJECTIONS

1st ANGLE PROJECTION

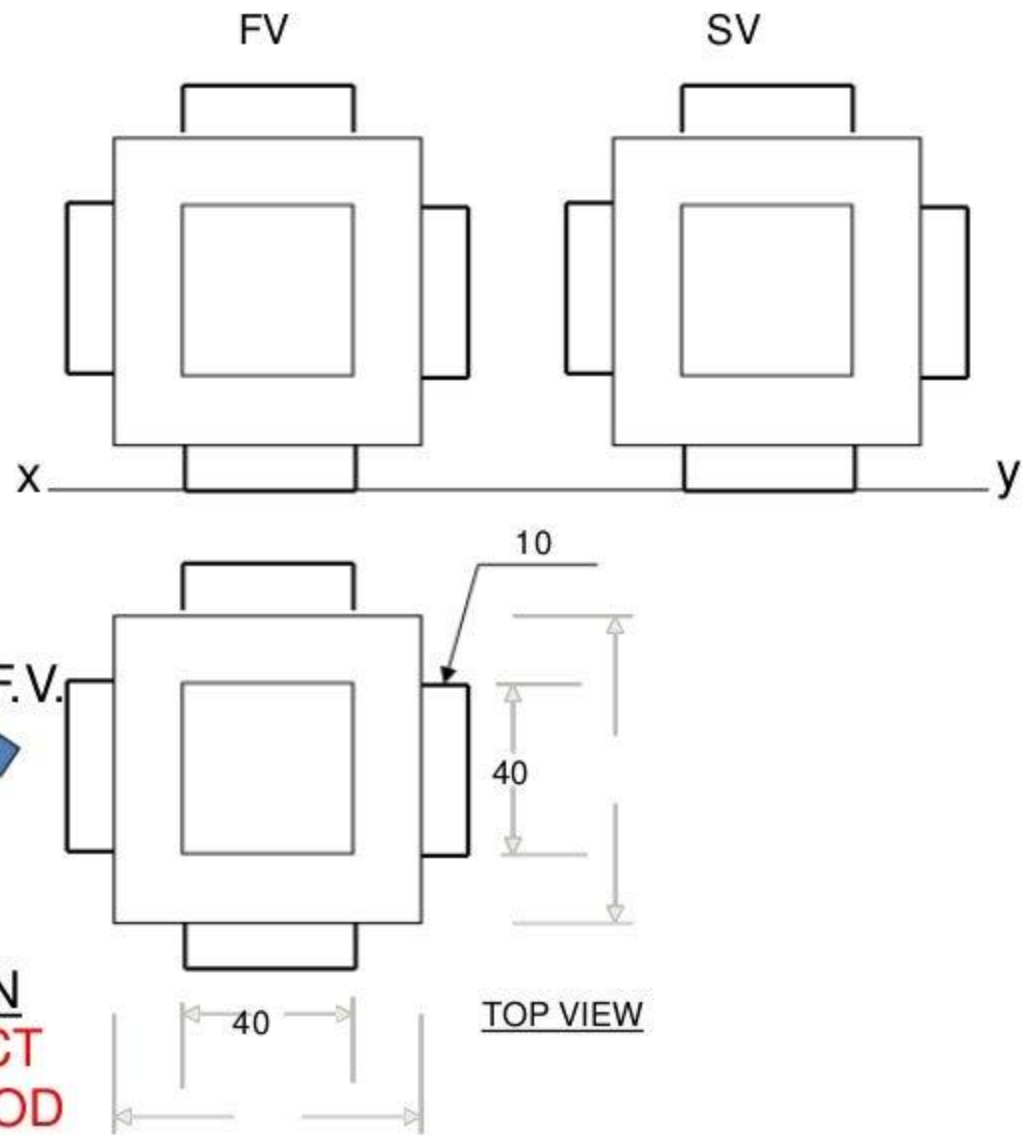


ARRAY OF VIEWS IN 1 ST ANGLE

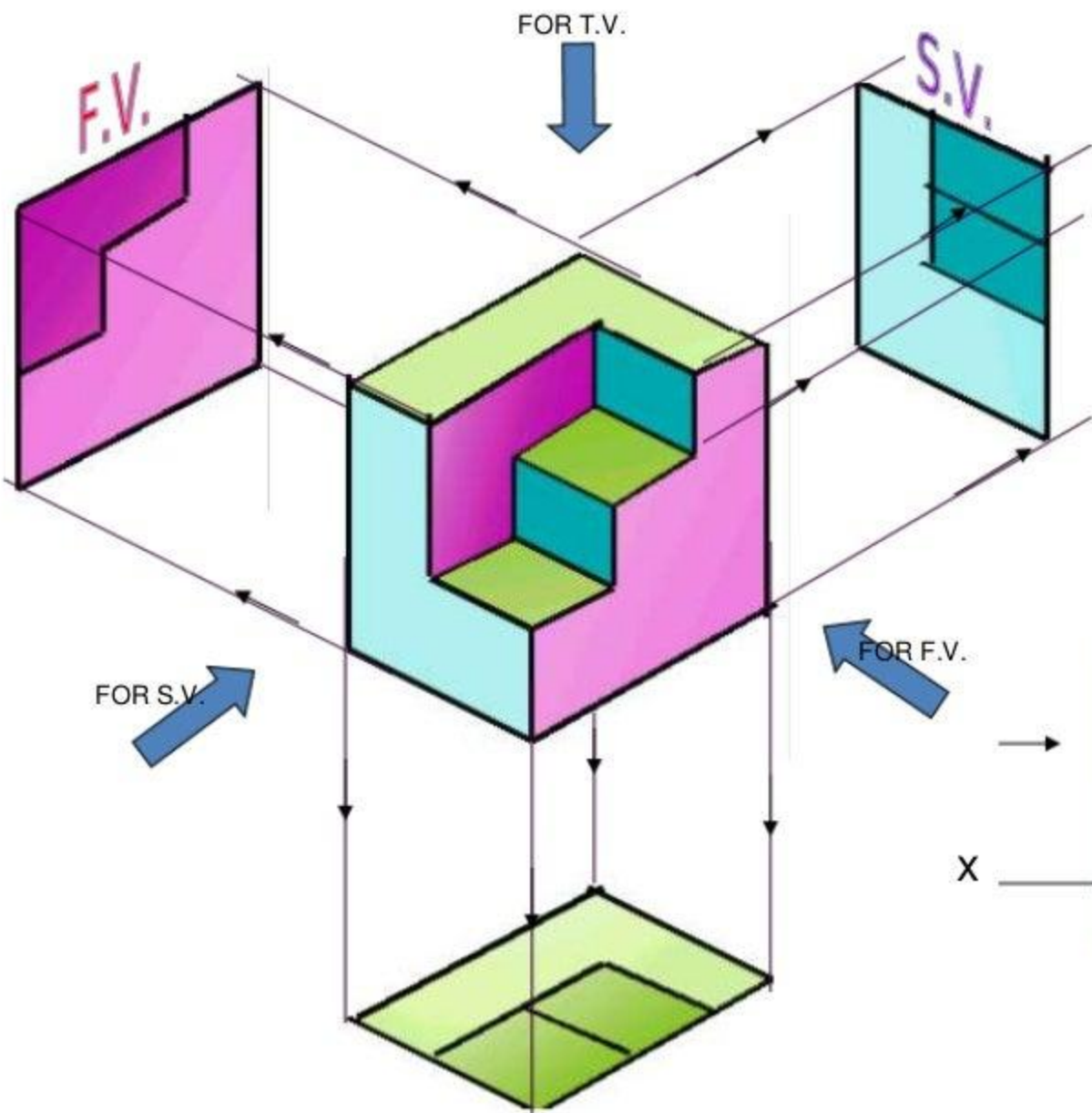


ORTHOGRAPHIC PROJECTIONS

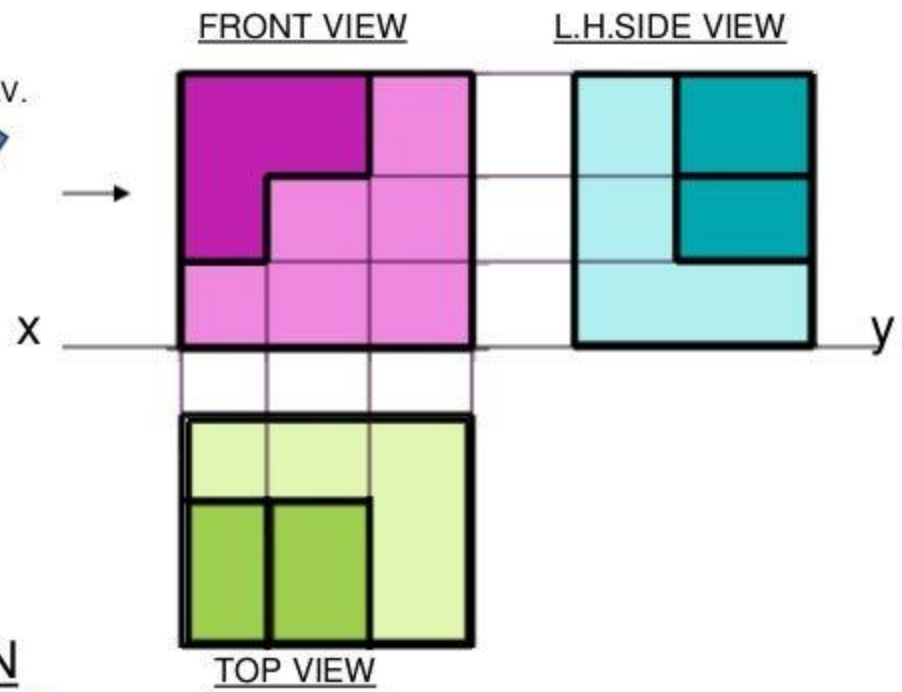
ALL VIEWS IDENTICAL



PICTORIAL PRESENTATION IS GIVEN
DRAW THREE VIEWS OF THIS OBJECT
BY FIRST ANGLE PROJECTION METHOD



ORTHOGRAPHIC PROJECTIONS



PICTORIAL PRESENTATION IS GIVEN
DRAW THREE VIEWS OF THIS OBJECT
BY FIRST ANGLE PROJECTION METHOD