WELCOME TO

ENGINEERING GRAPHICS

S1 ME 2017

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SESSION 1

ORTHOGRAPHIC PROJECTIONS

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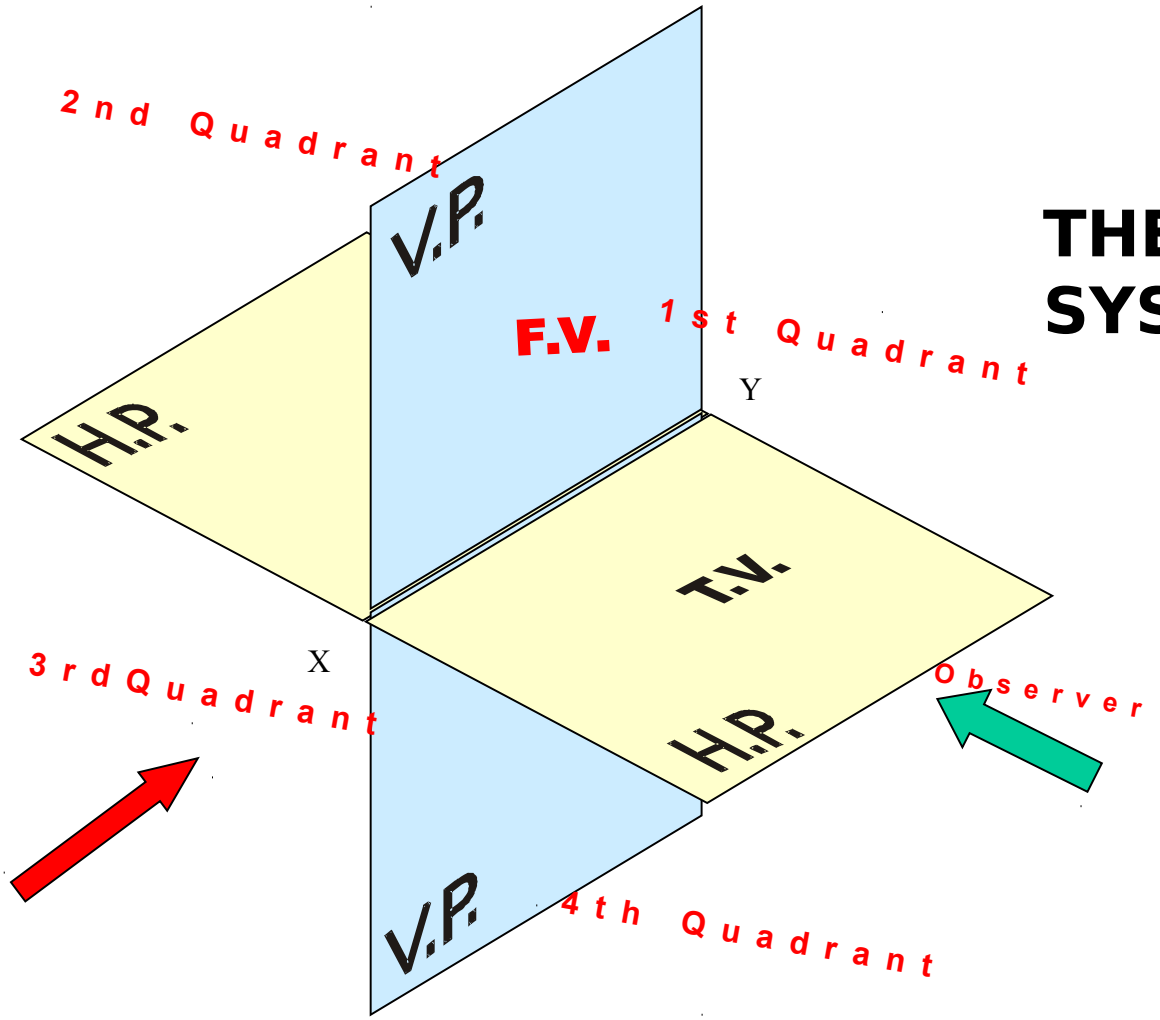
THE QUADRANT SYSTEM



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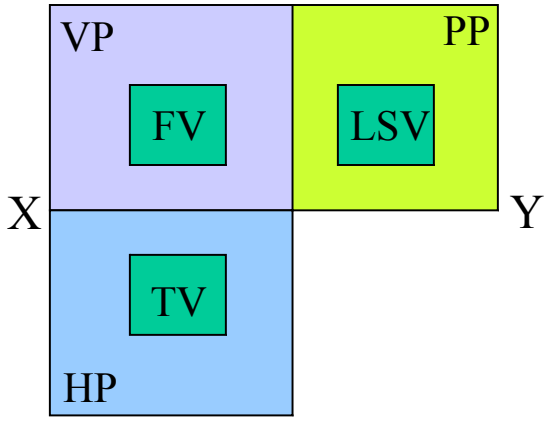
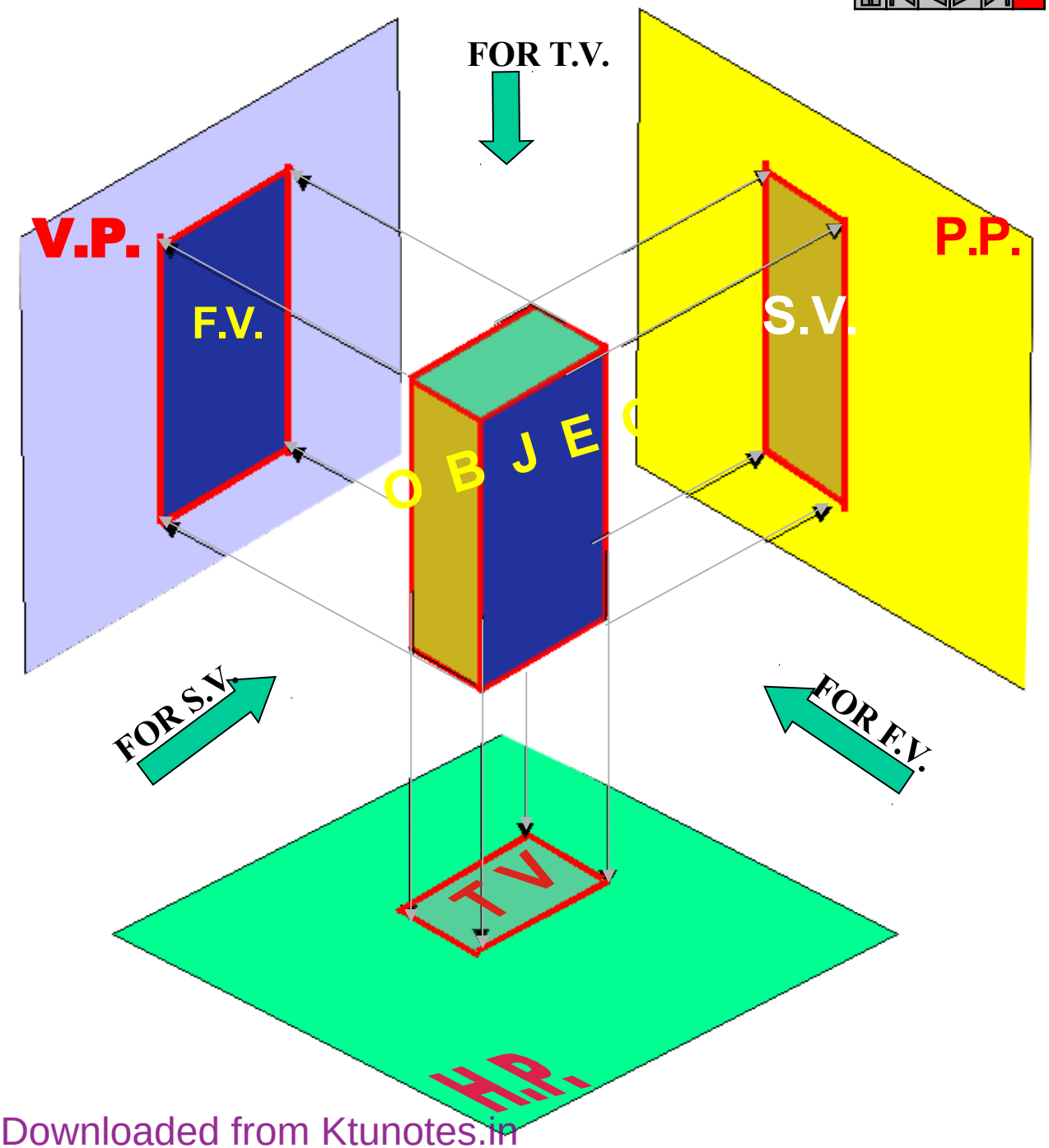
FIRST ANGLE PROJECTION

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

**OBJECT IS INBETWEEN
OBSERVER & PLANE.**



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



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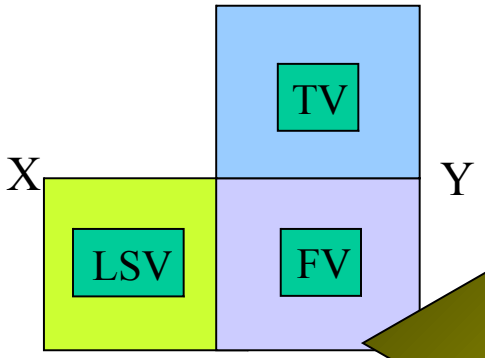
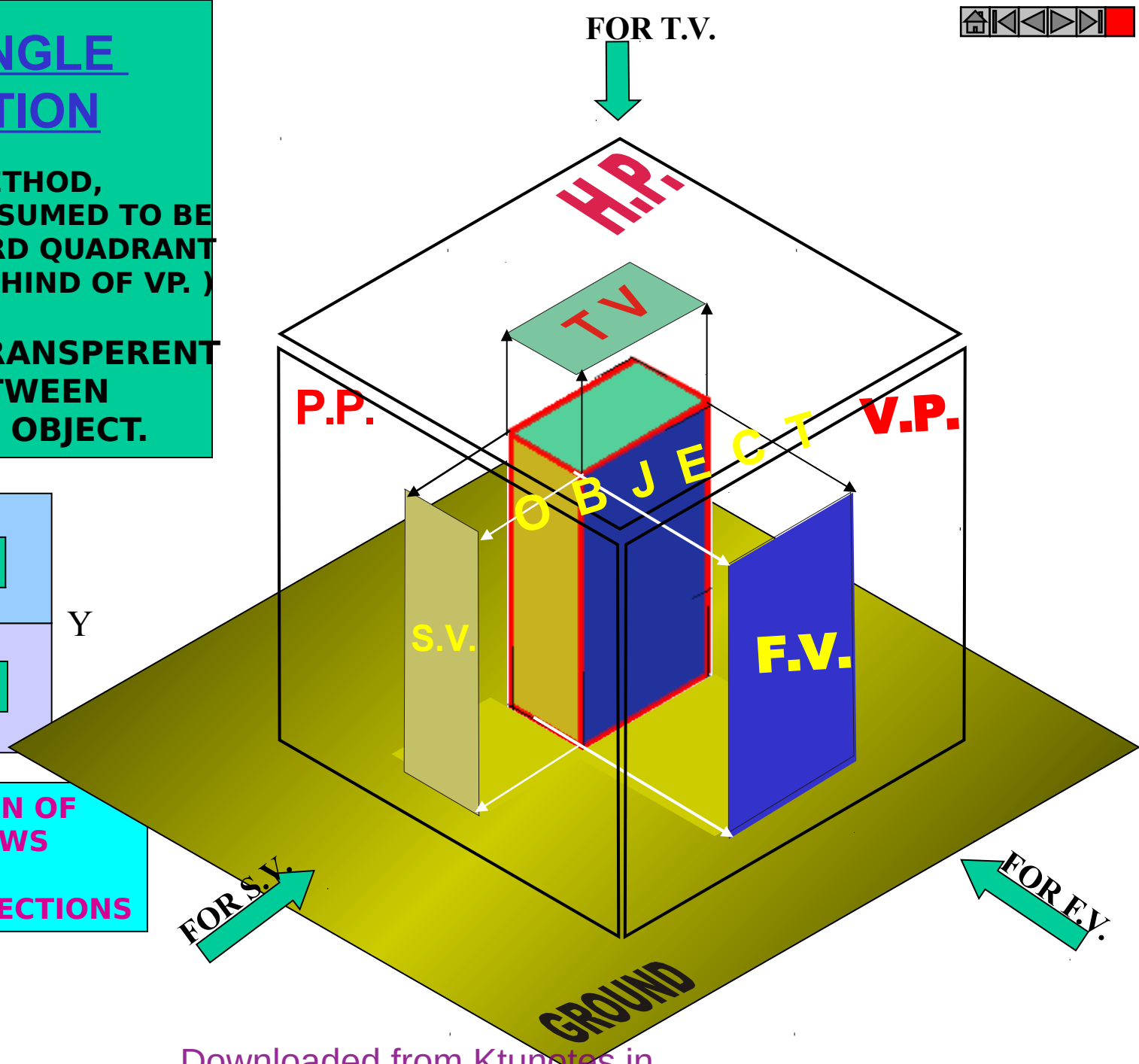
THIRD ANGLE PROJECTION

IN THIS METHOD,
THE OBJECT IS ASSUMED TO BE SITUATED IN THIRD QUADRANT (BELOW HP & BEHIND OF VP.)

PLANES BEING TRANSPERENT AND INBETWEEN OBSERVER & OBJECT.



ACTUAL PATTERN OF PLANES & VIEWS OF THIRD ANGLE PROJECTIONS



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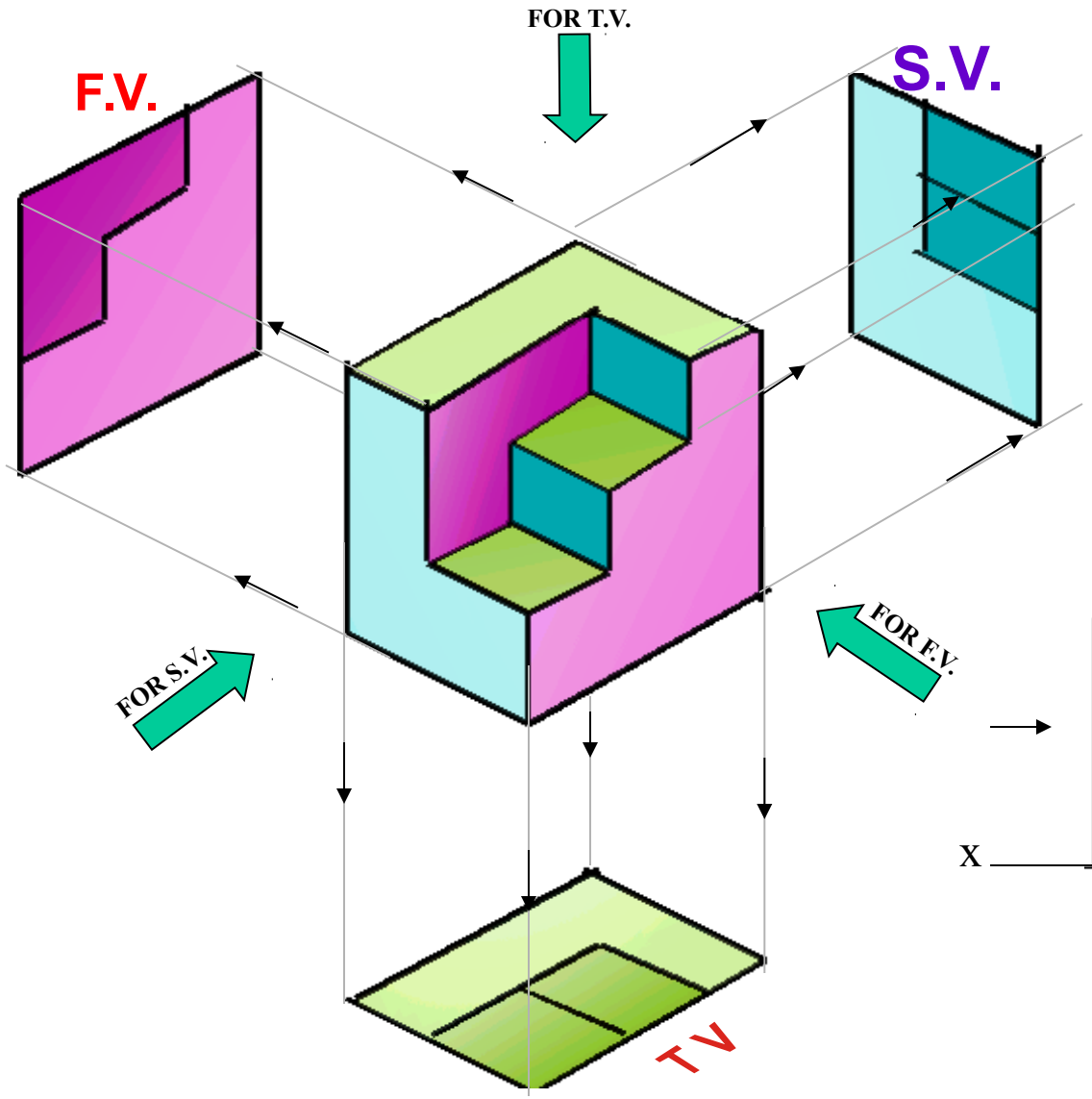
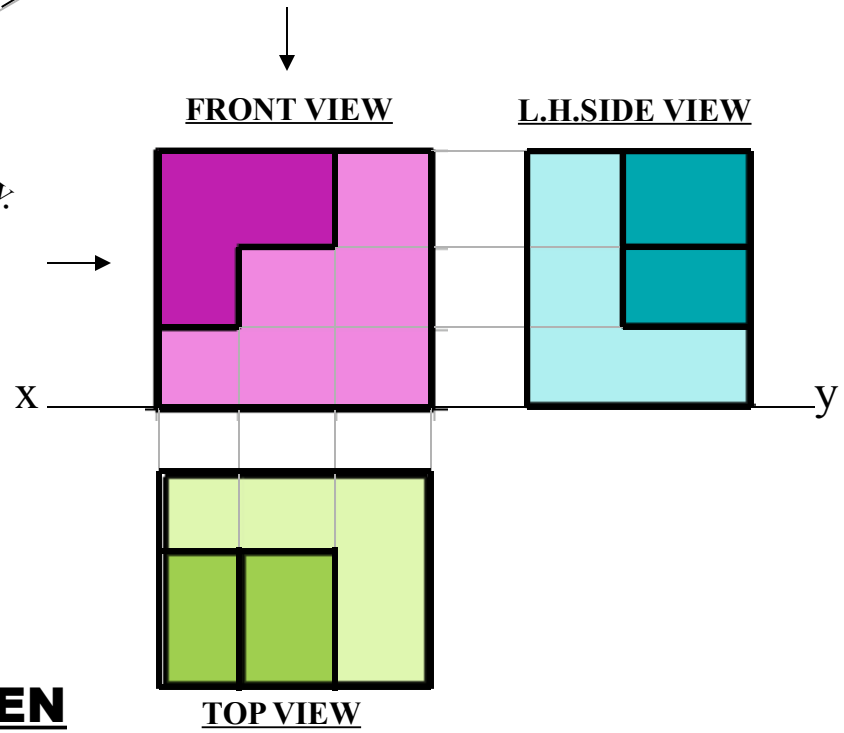


ORTHOGRAPHIC PROJECTIONS



PICTORIAL PRESENTATION IS GIVEN

DRAW THREE VIEWS OF THIS OBJECT
BY FIRST ANGLE PROJECTION METHOD

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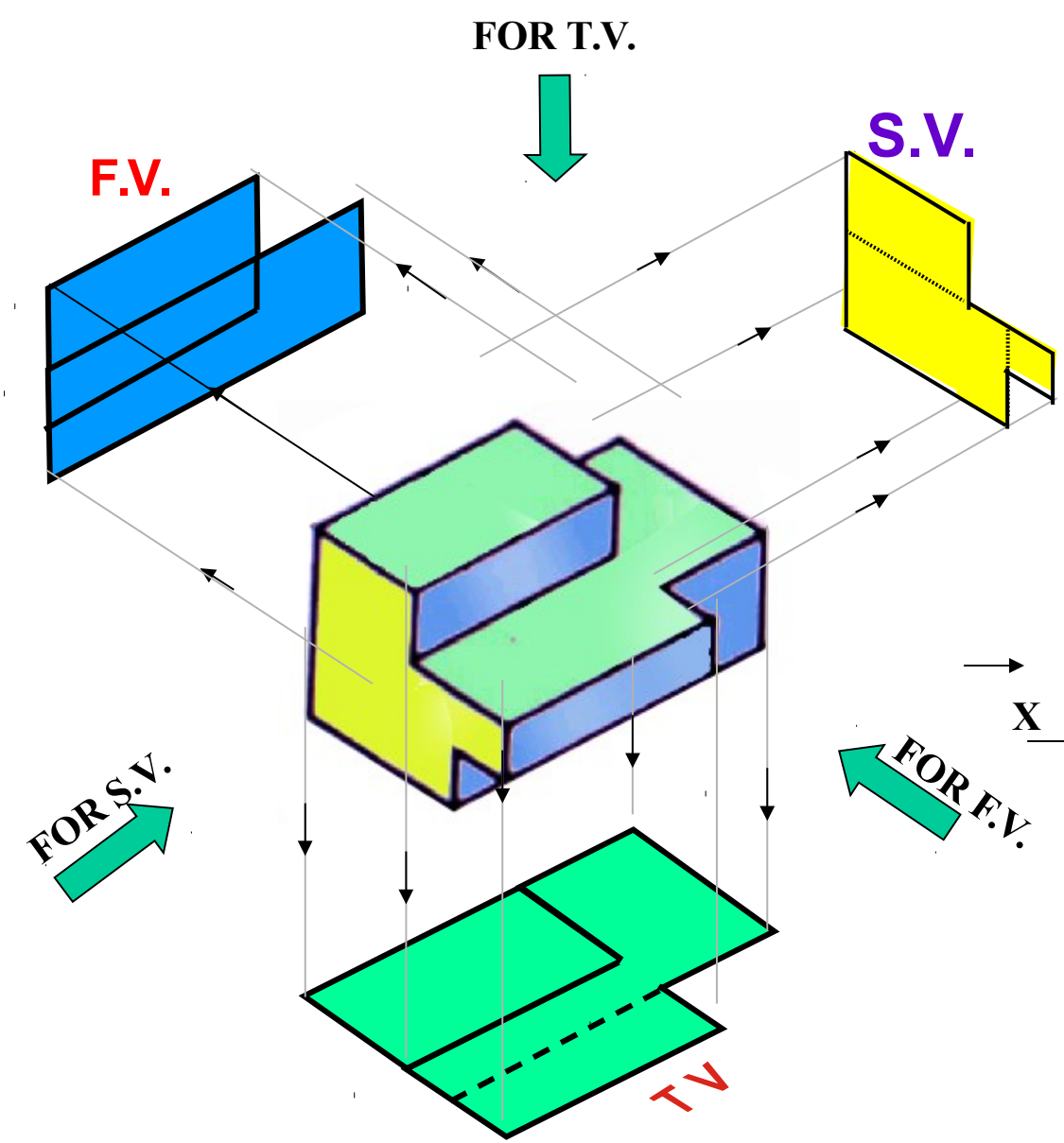

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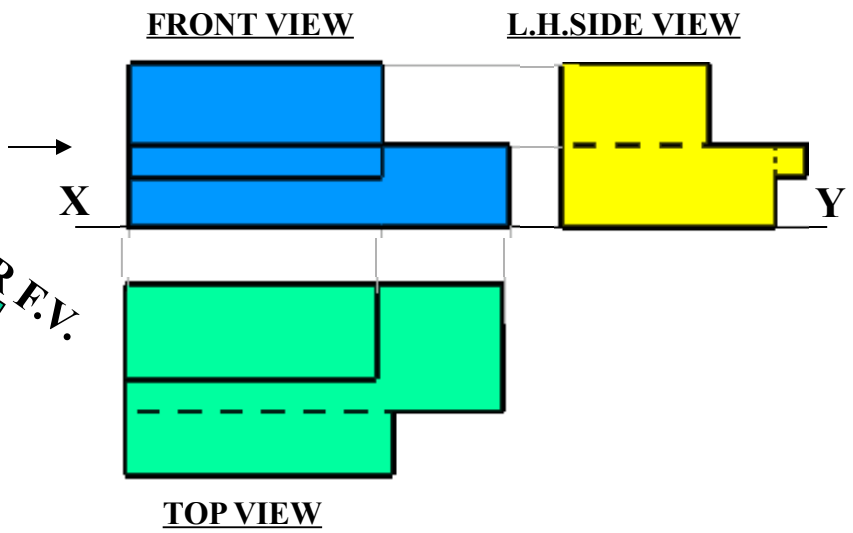

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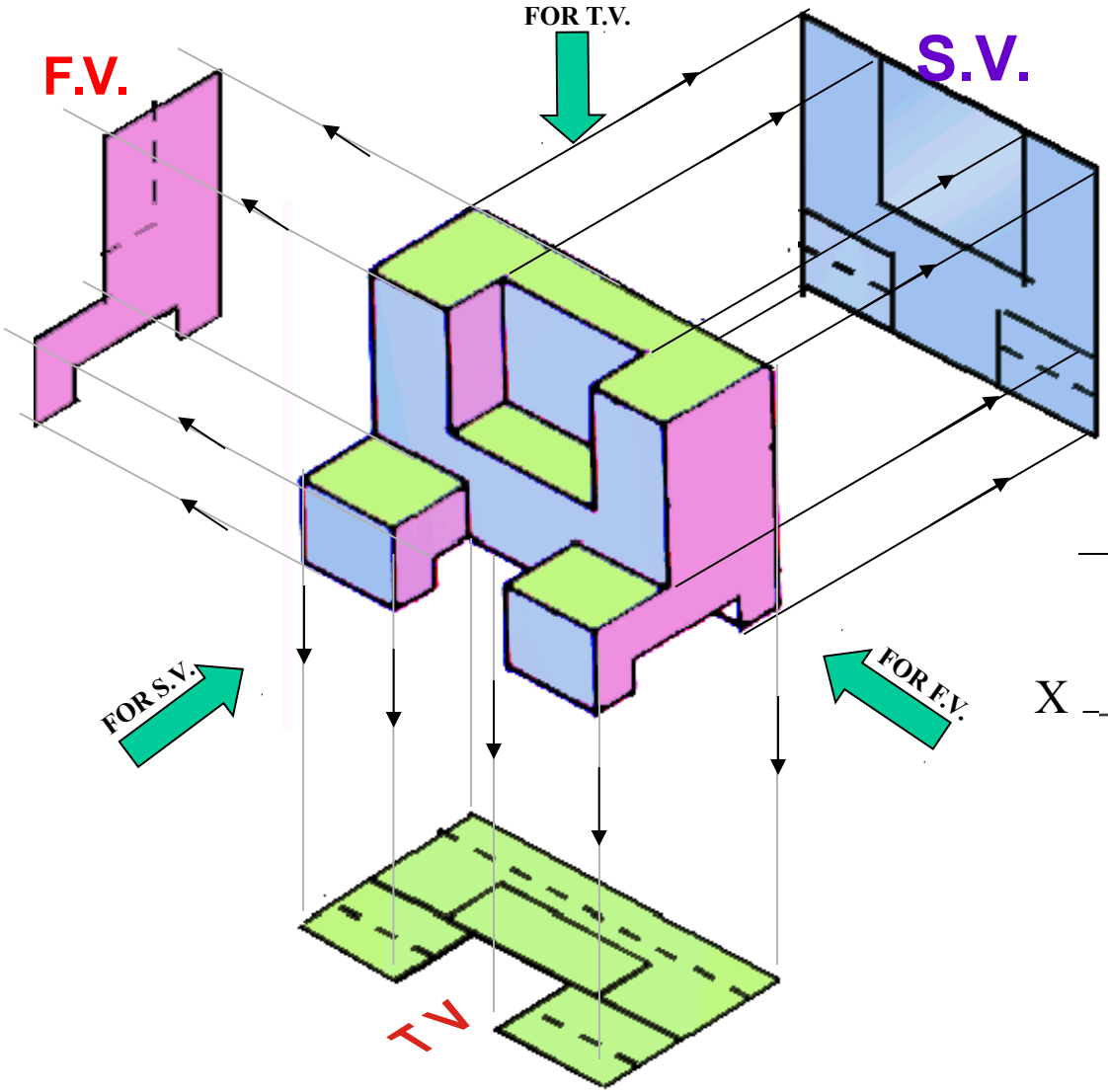

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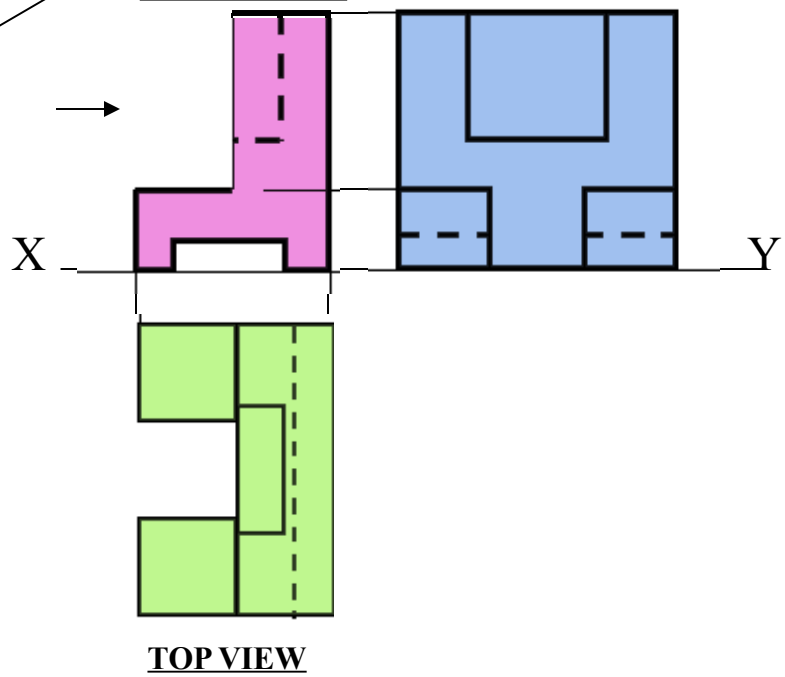

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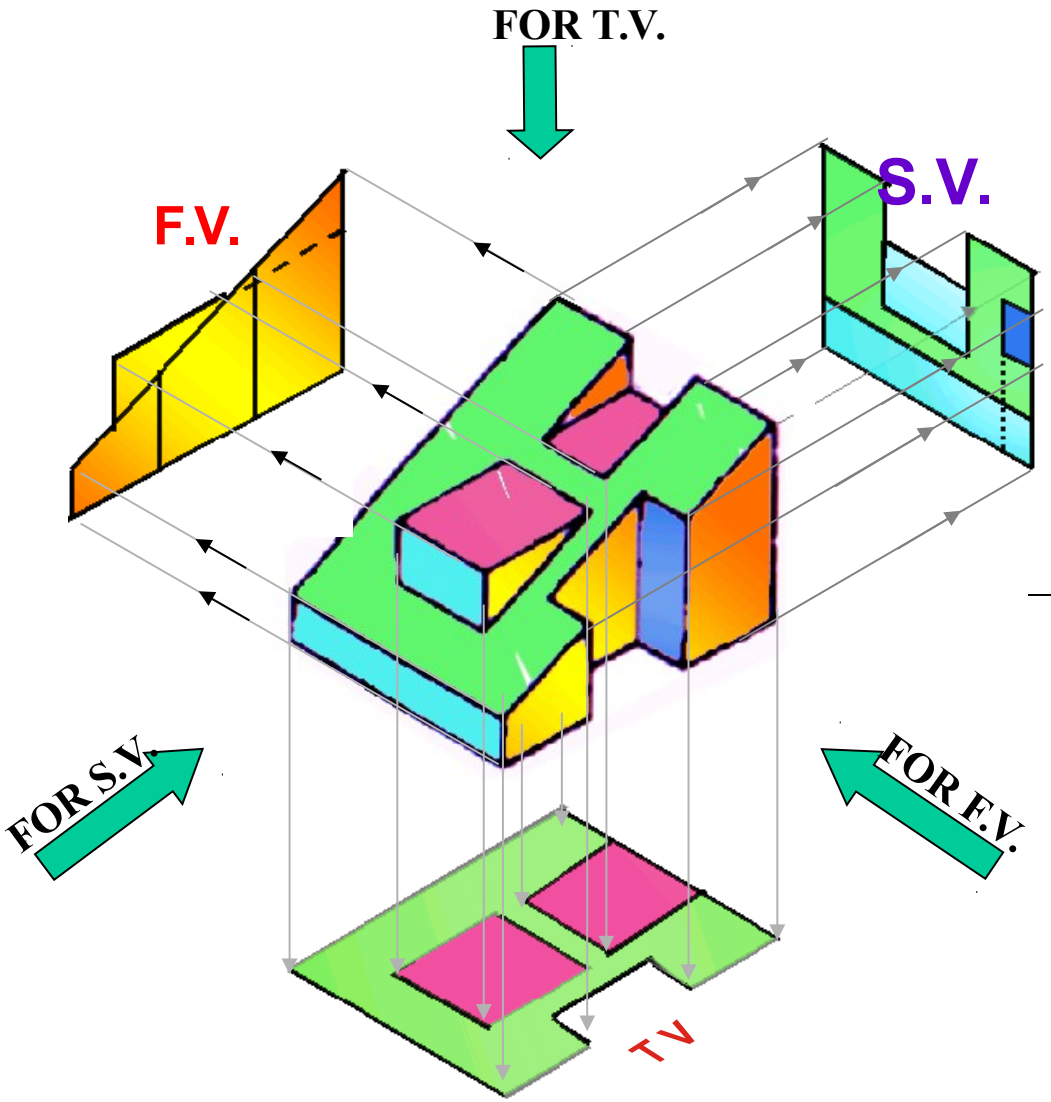

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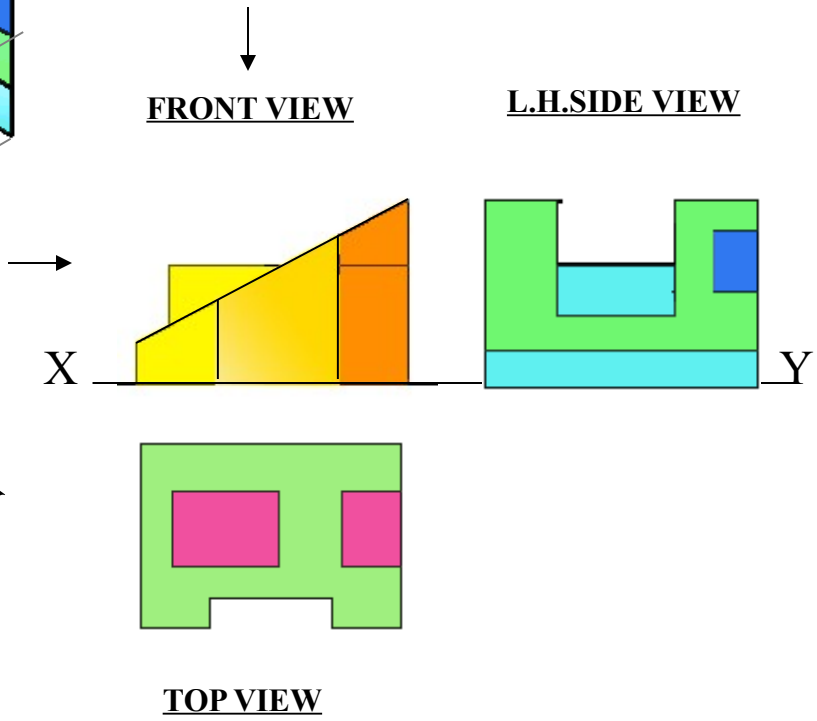

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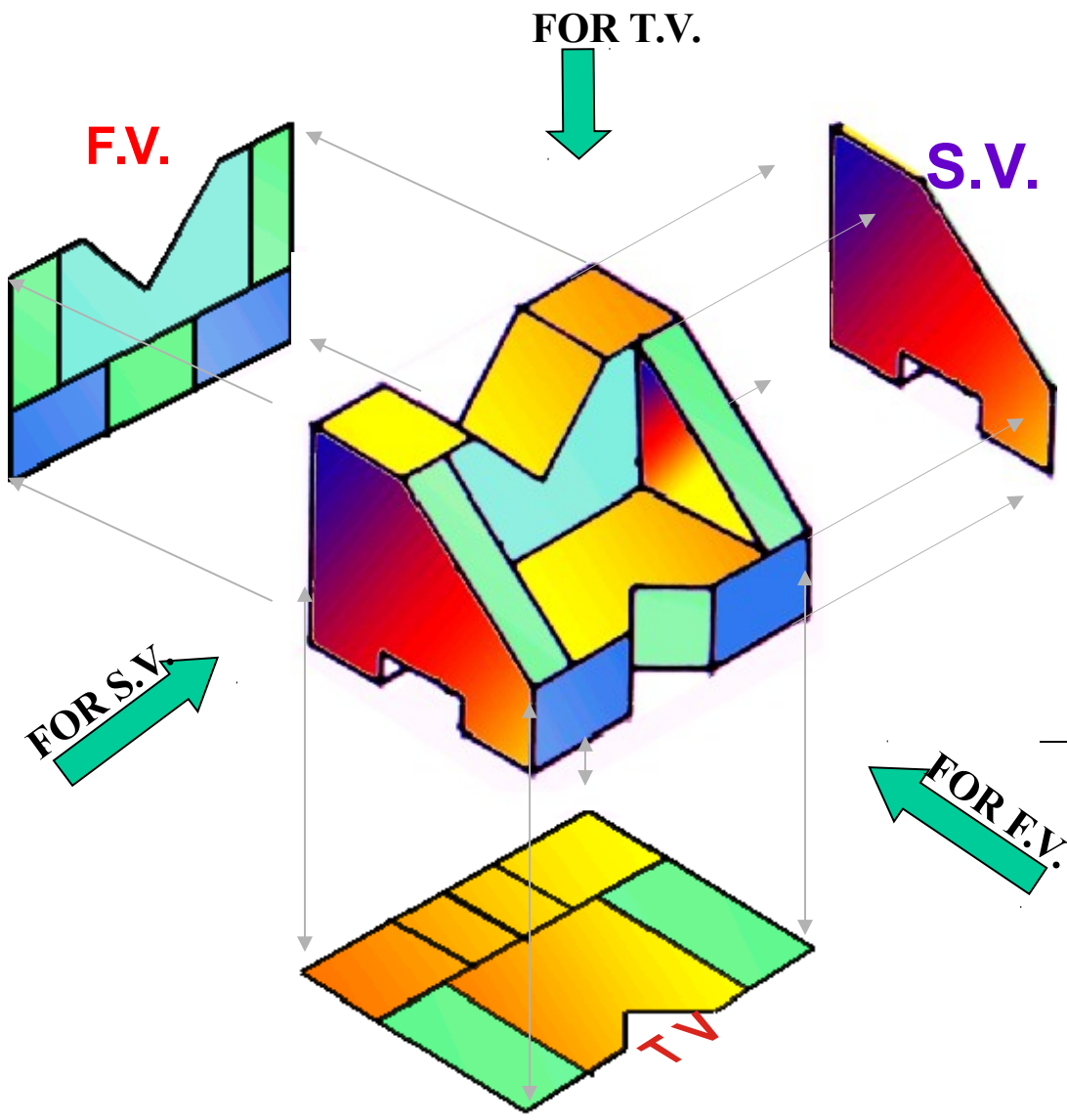

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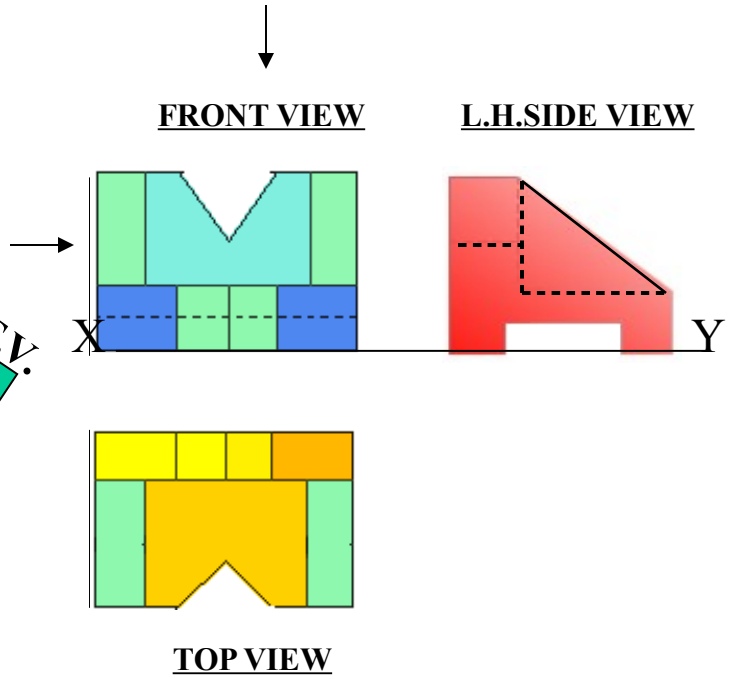

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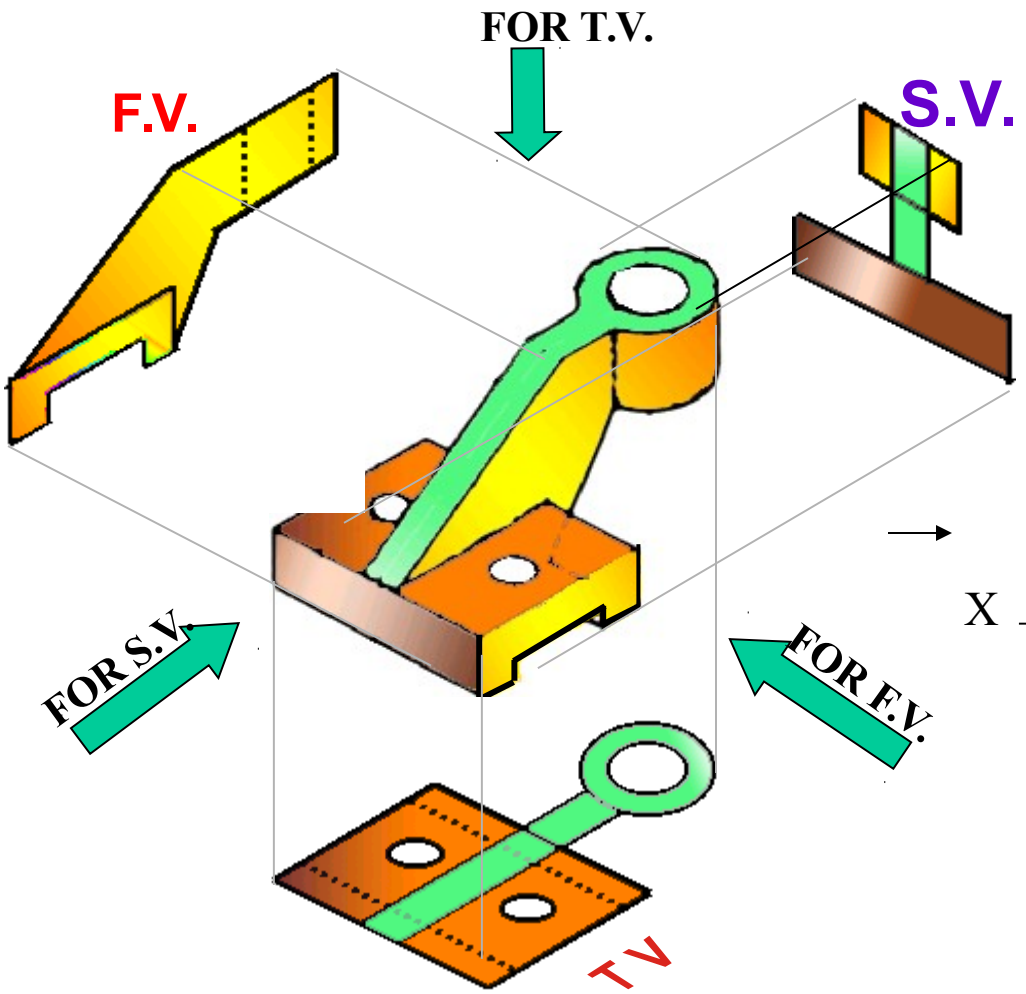

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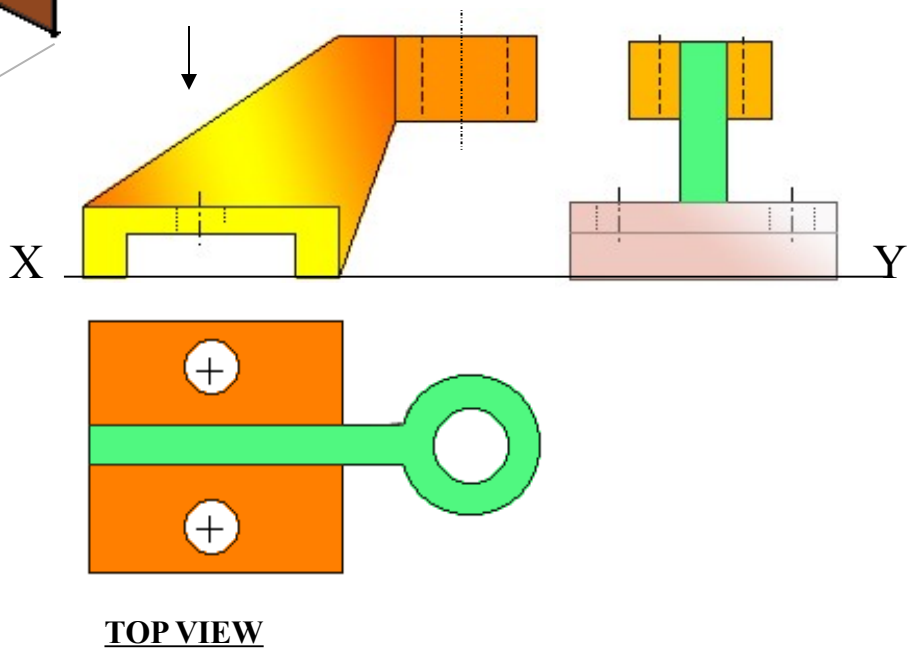

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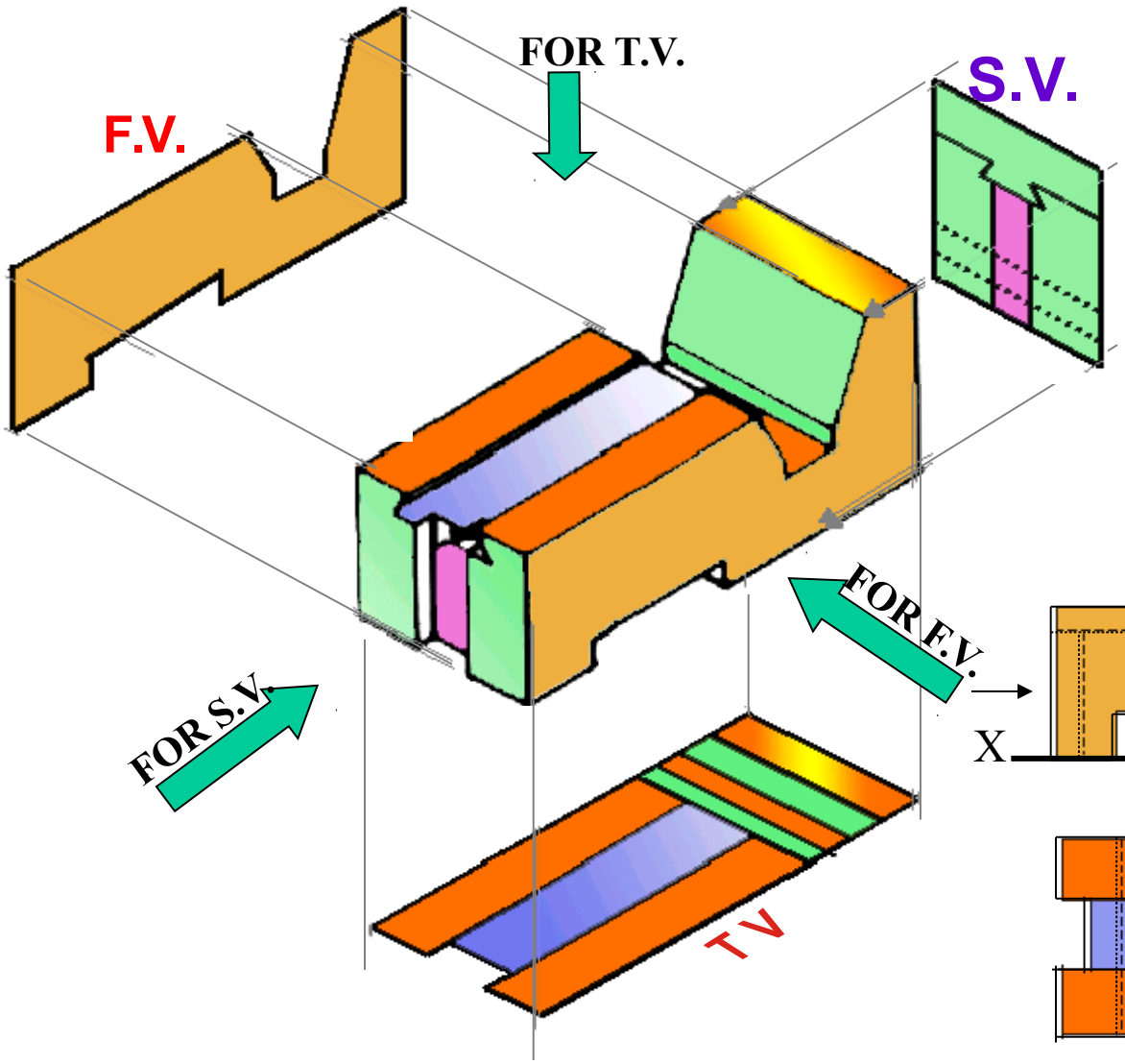

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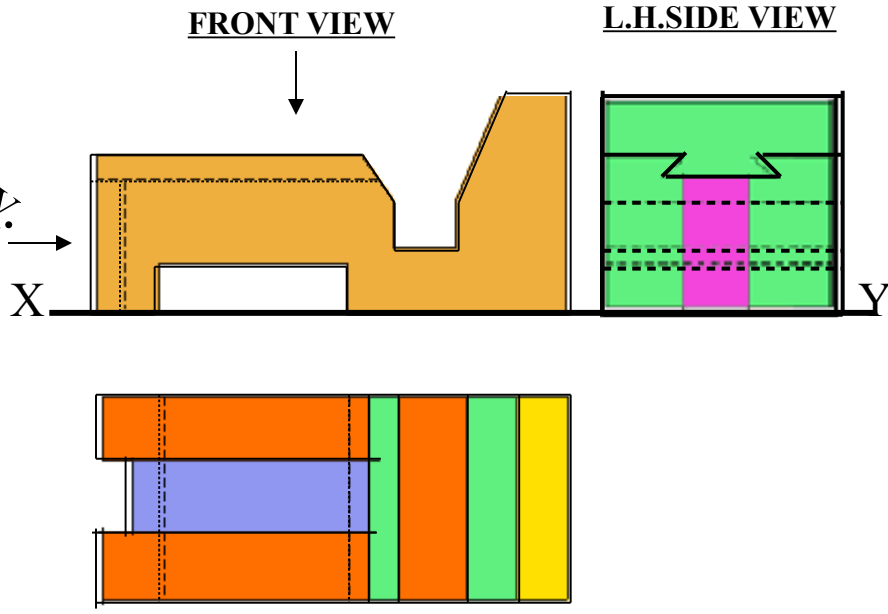

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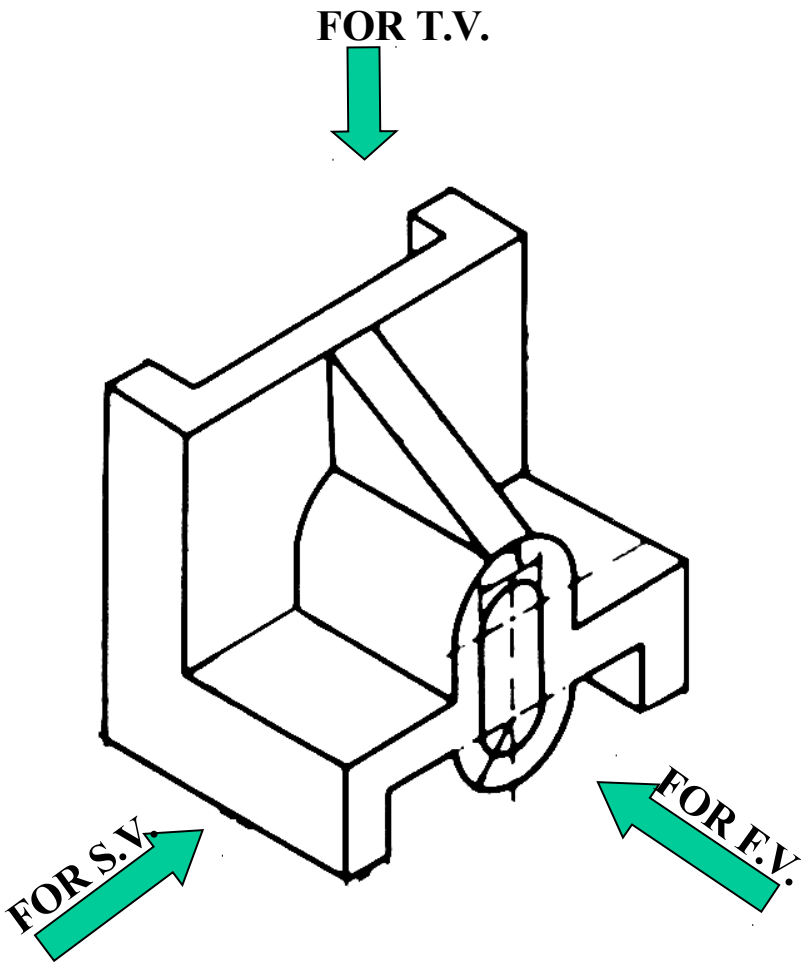

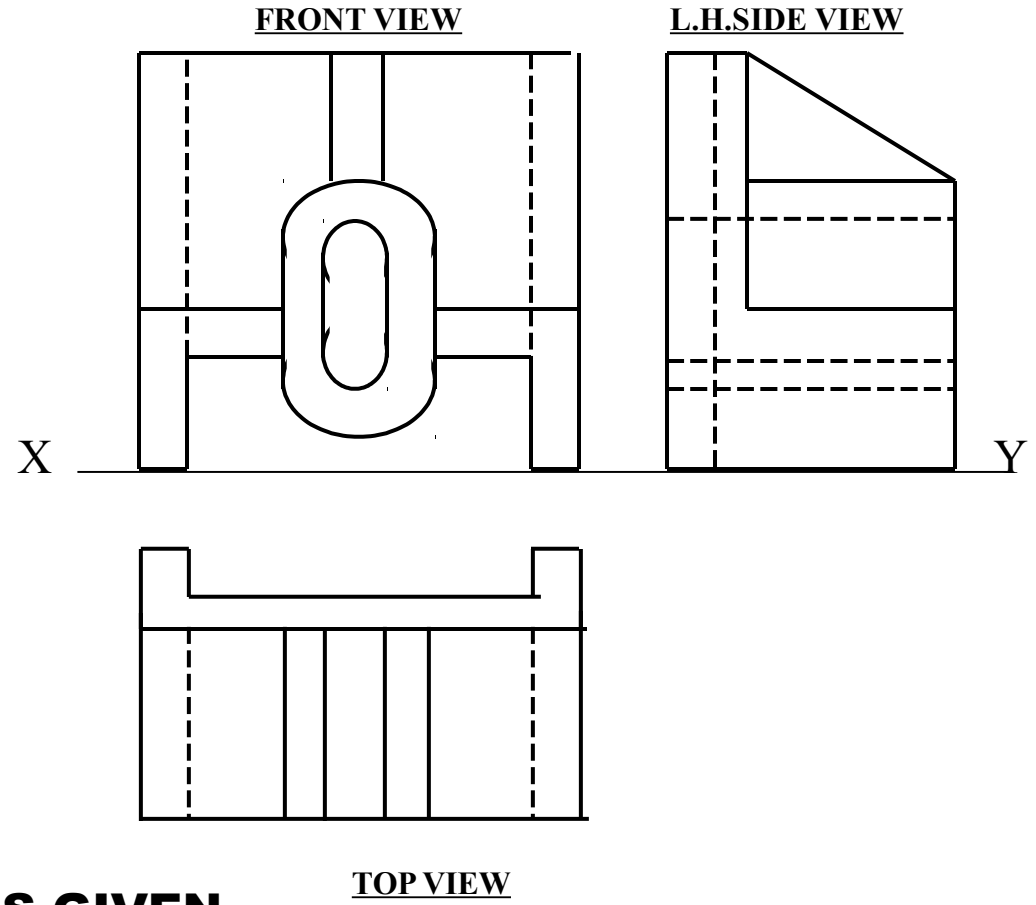

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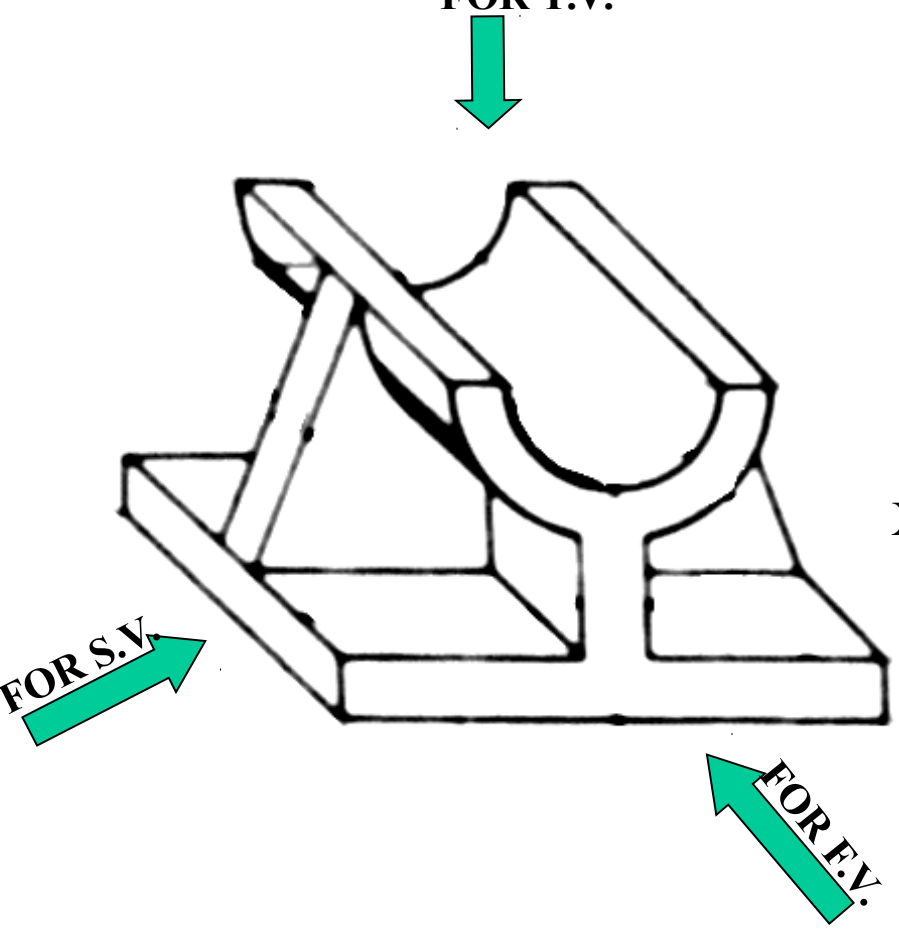

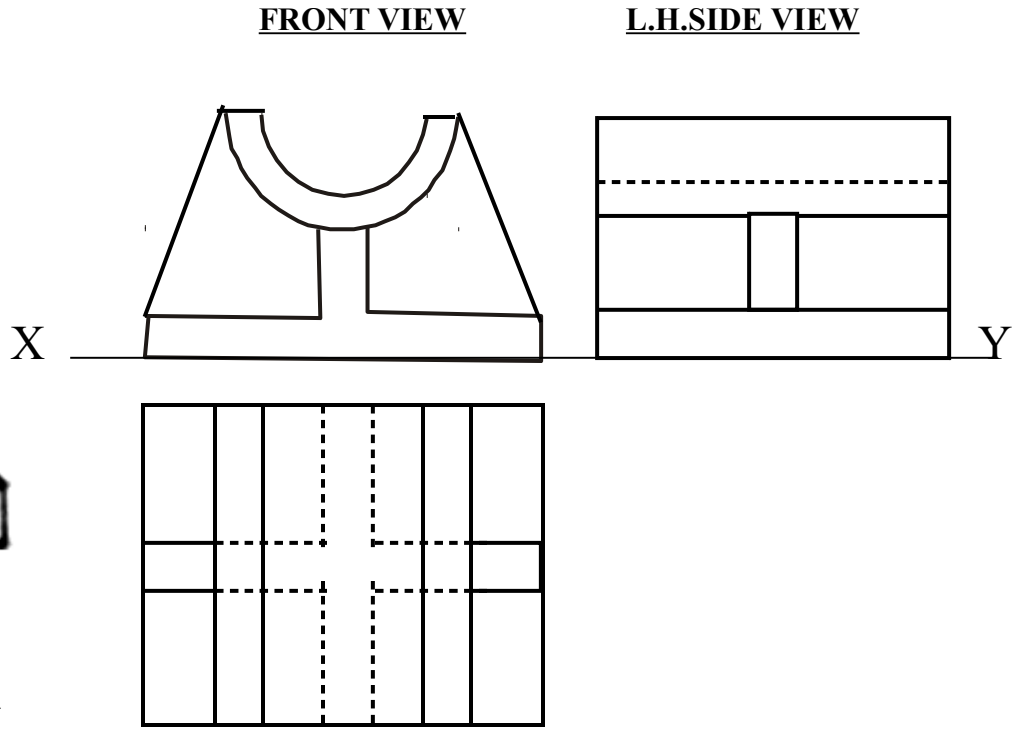

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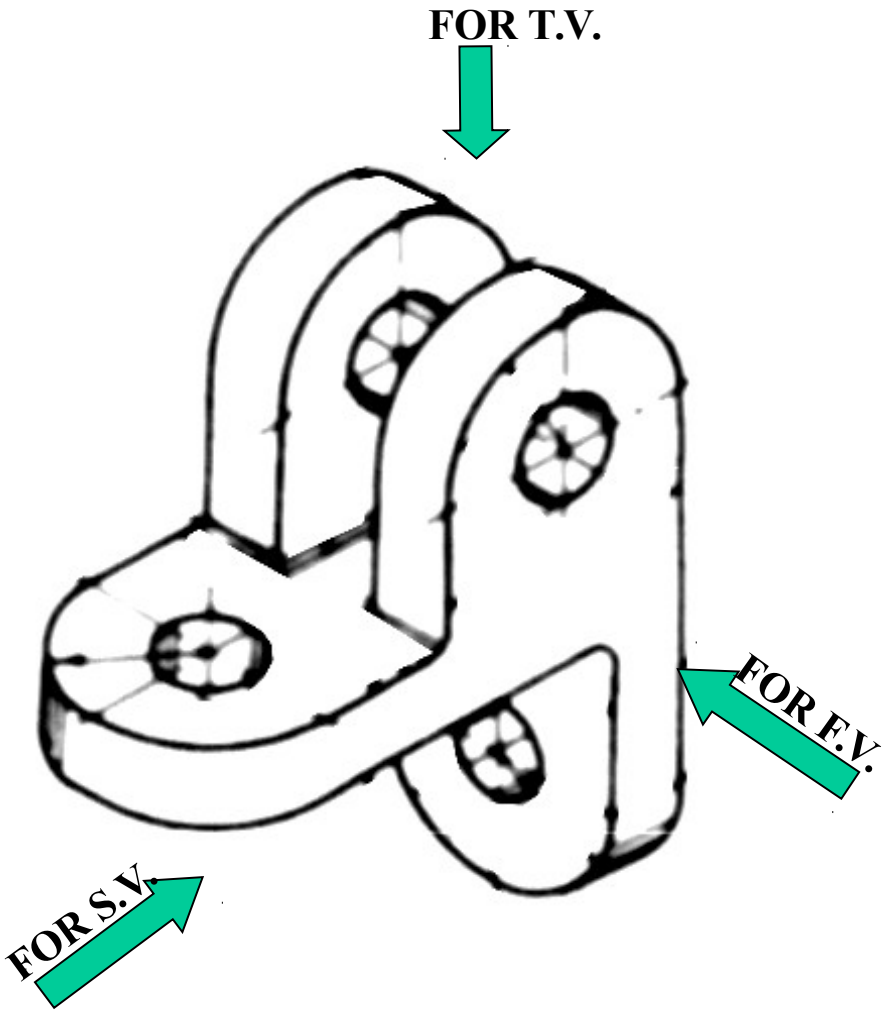

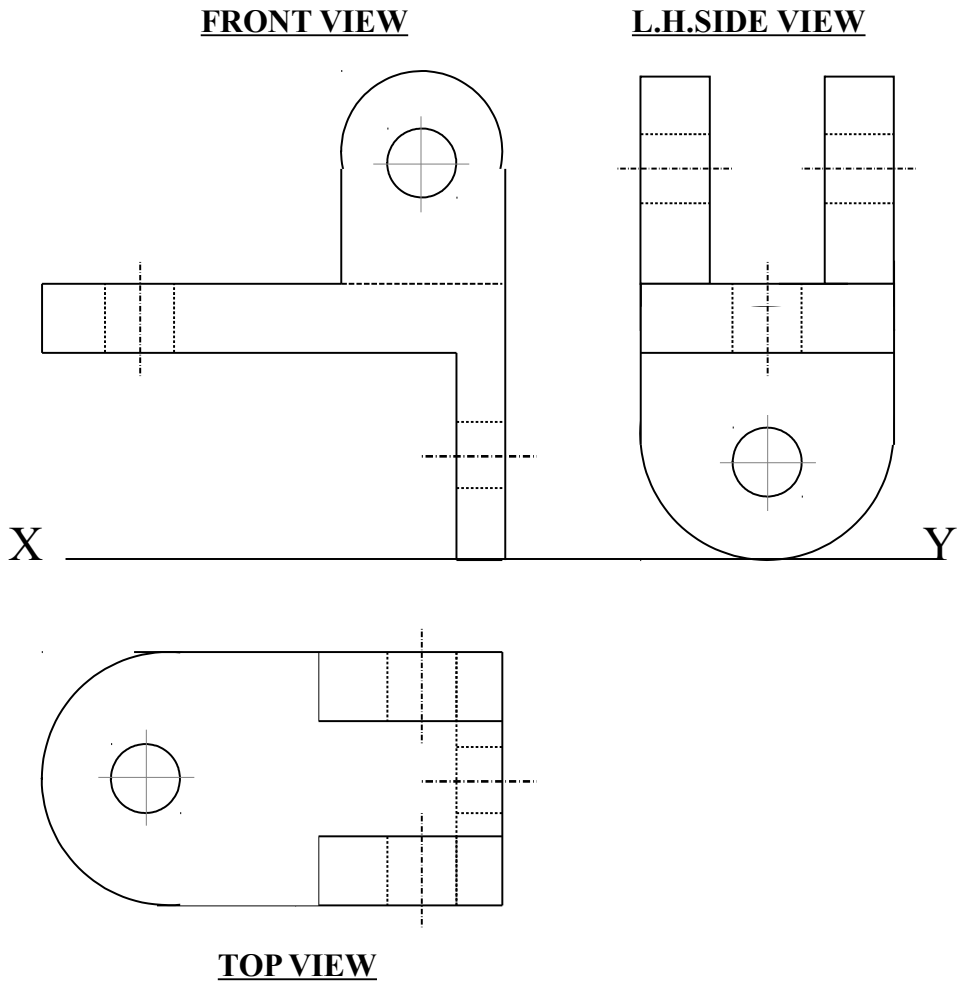

PICTORIAL PRESENTATION IS GIVEN

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BY FIRST ANGLE PROJECTION METHOD

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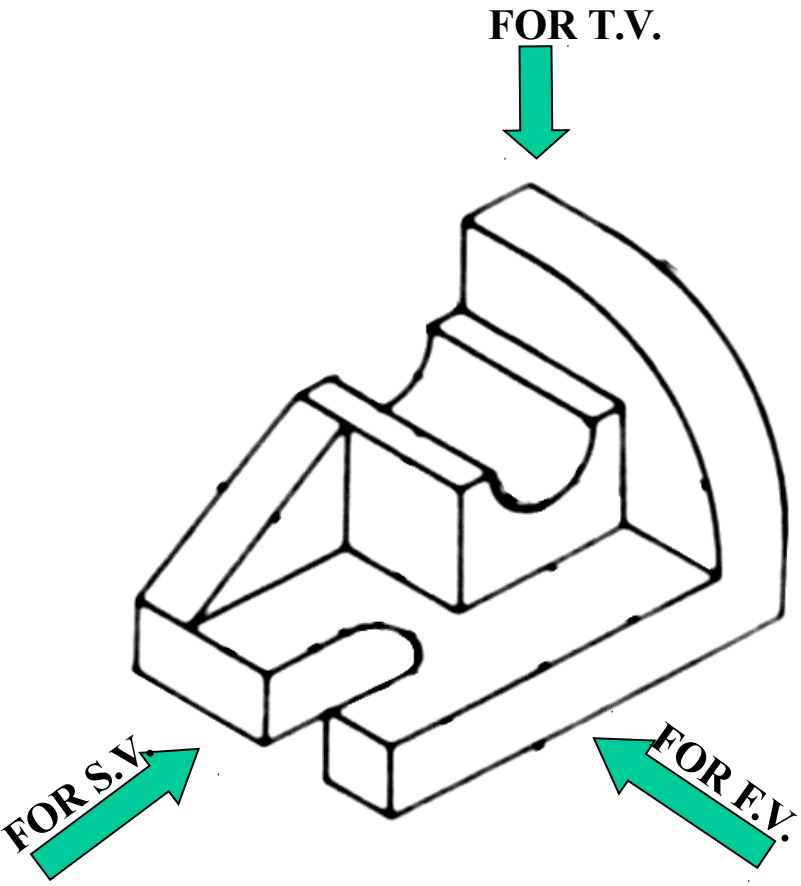

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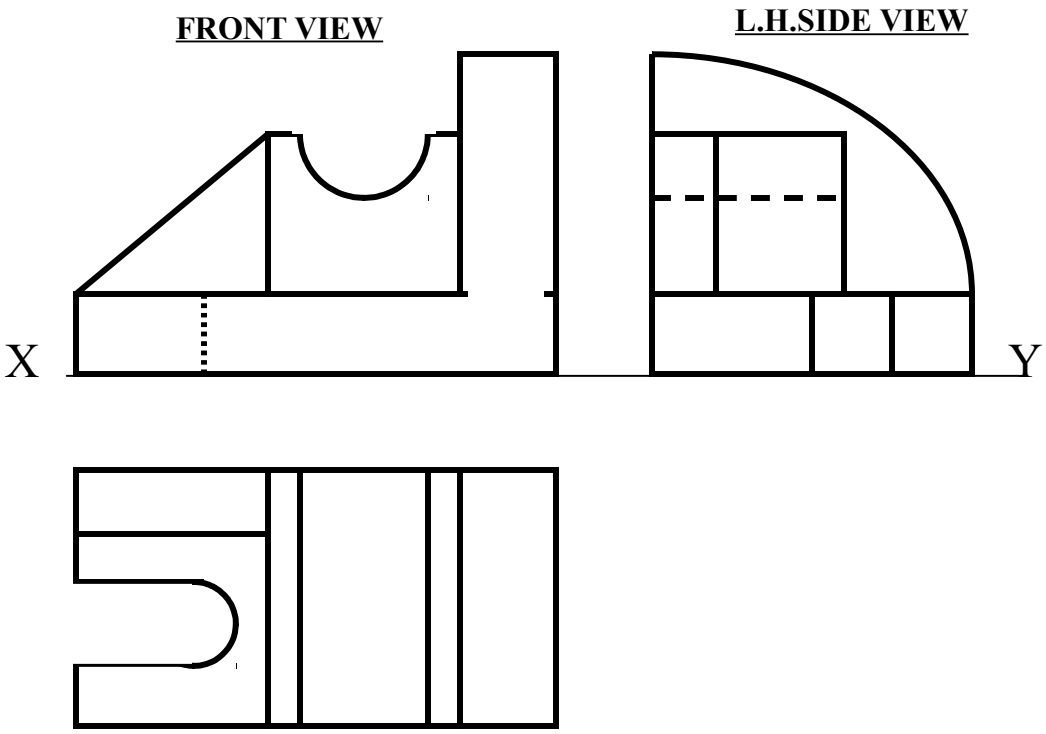

PICTORIAL PRESENTATION IS GIVEN

DRAW THREE VIEWS OF THIS OBJECT BY FIRST ANGLE PROJECTION METHOD

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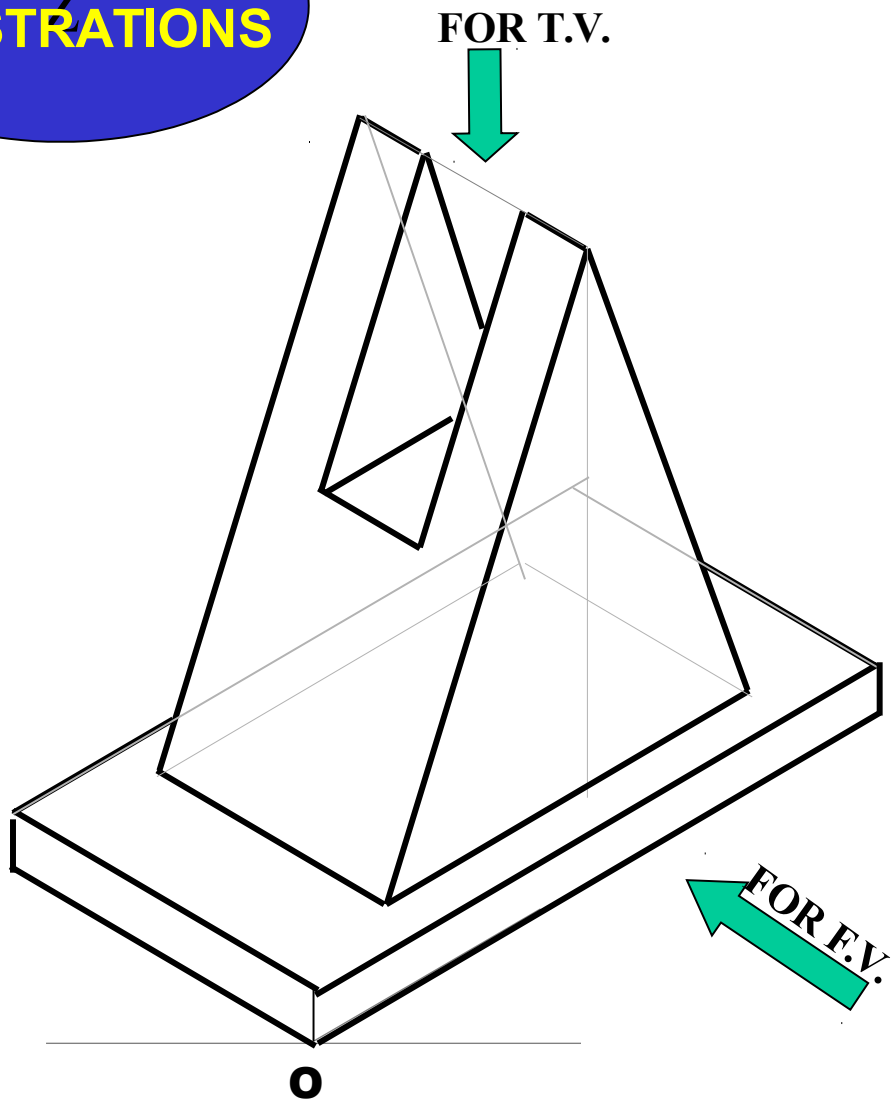
STUDY ILLUSTRATIONS



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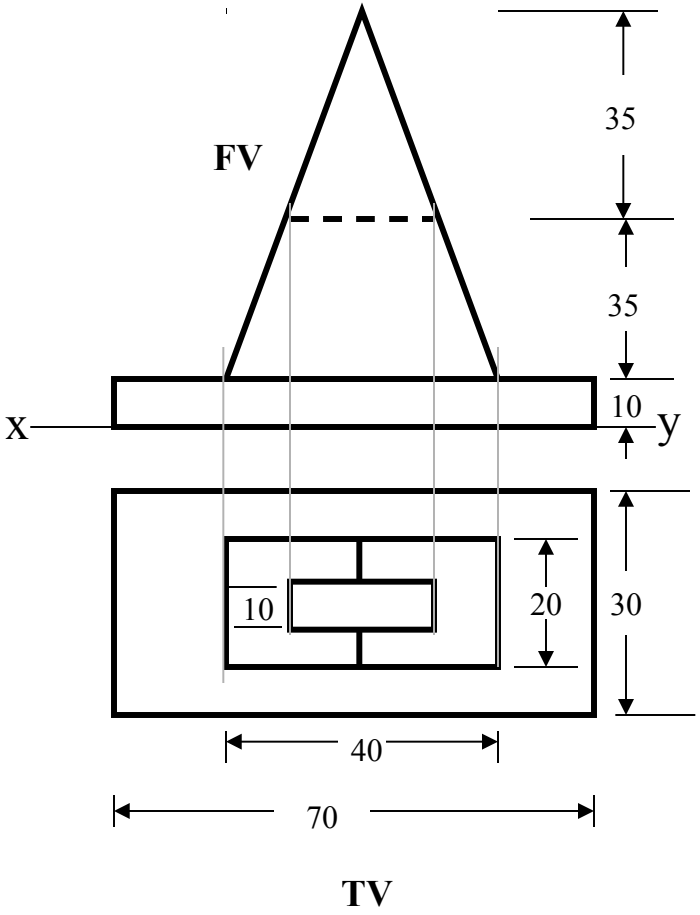

PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND TV OF THIS OBJECT BY FIRST ANGLE PROJECTION METHOD

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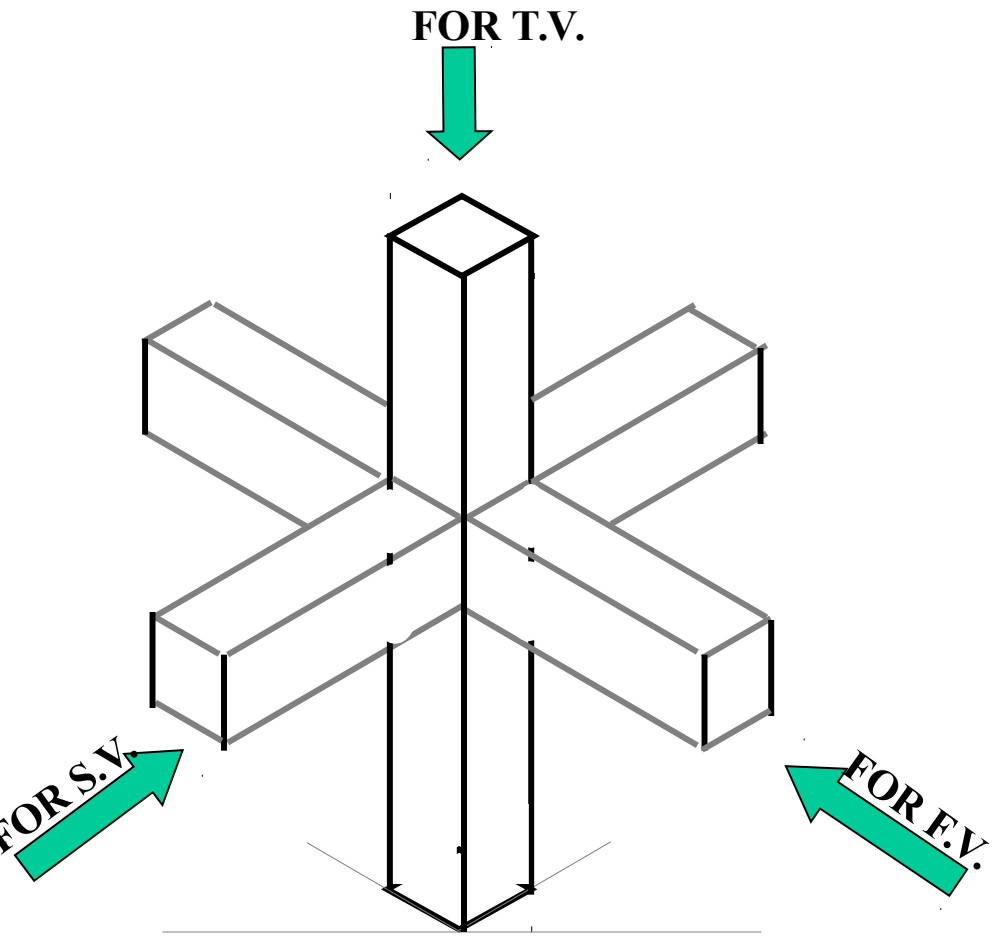

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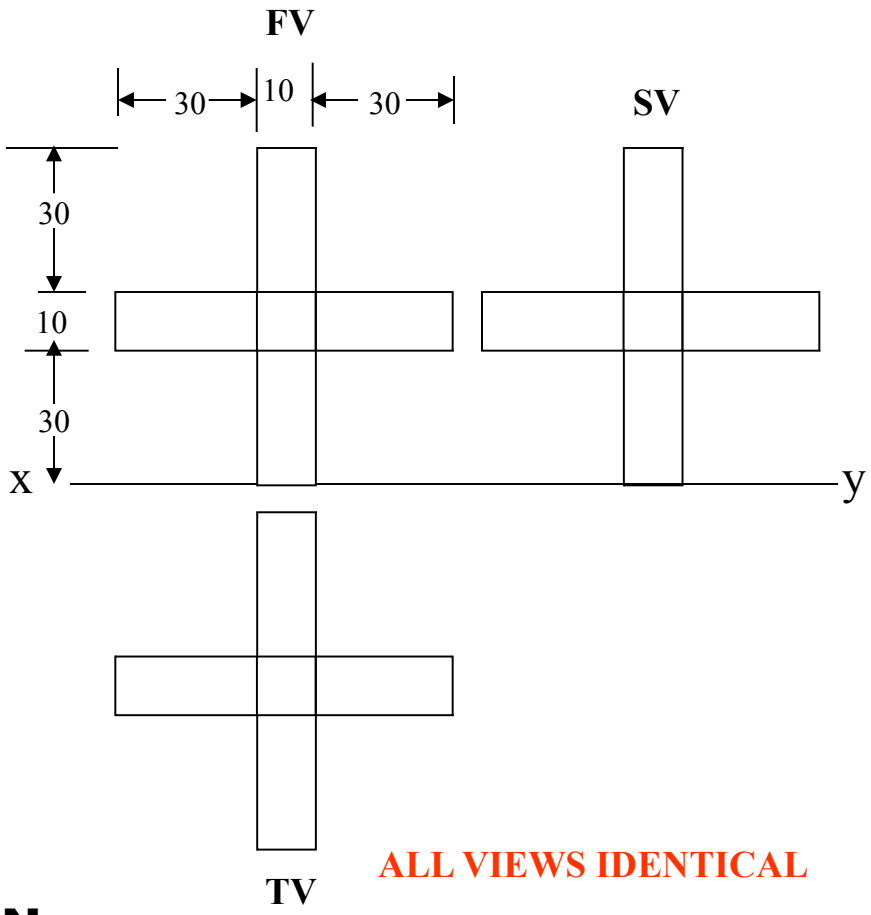

ALL VIEWS IDENTICAL

PICTORIAL PRESENTATION IS GIVEN

DRAW THREE VIEWS OF THIS OBJECT BY FIRST ANGLE PROJECTION METHOD

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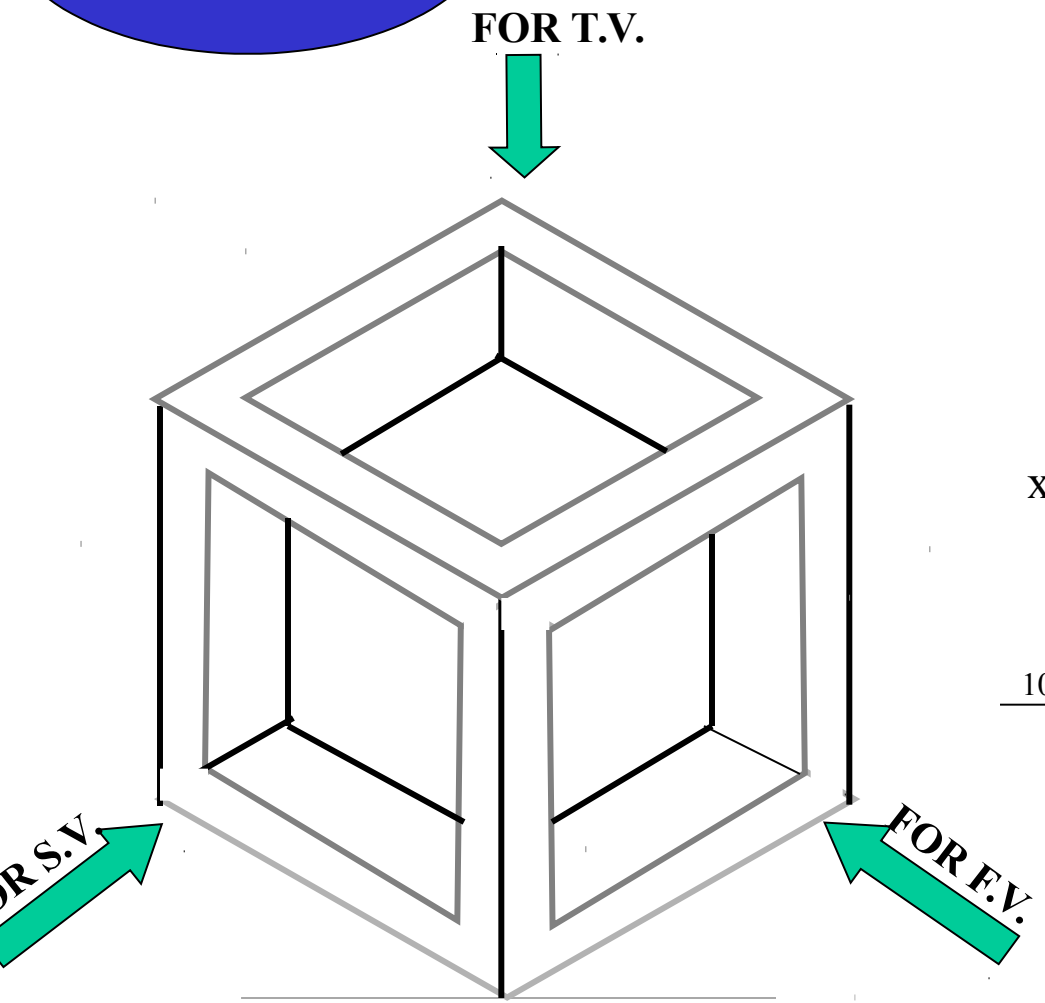
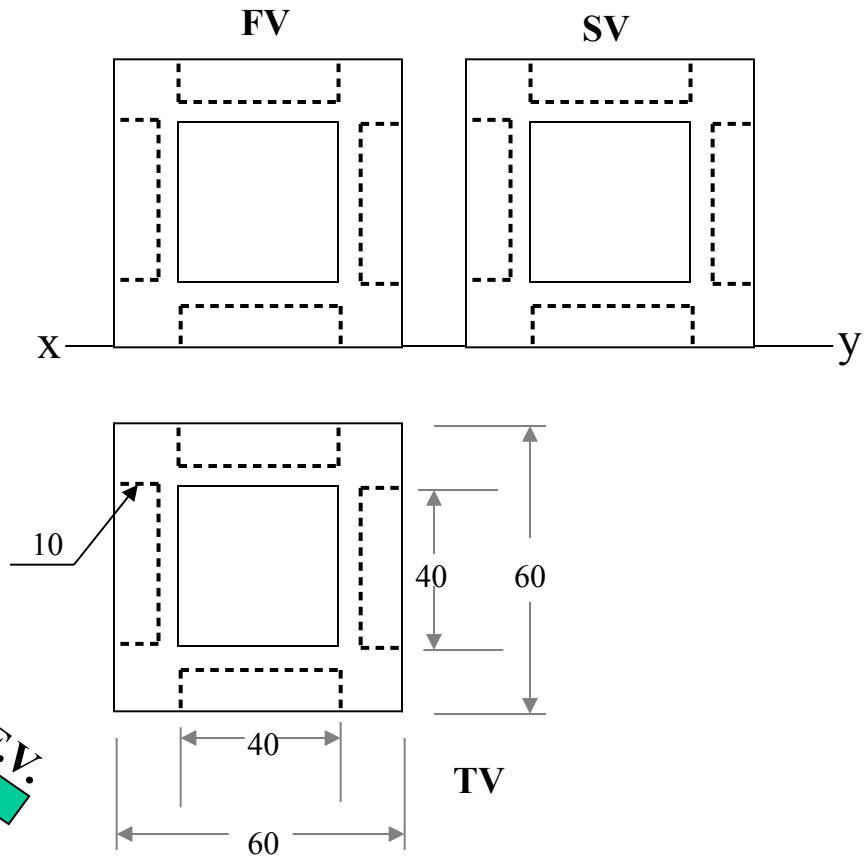
STUDY ILLUSTRATIONS

7

ORTHOGRAPHIC PROJECTIONS

ALL VIEWS IDENTICAL





PICTORIAL PRESENTATION IS GIVEN

DRAW THREE VIEWS OF THIS OBJECT BY FIRST ANGLE PROJECTION METHOD

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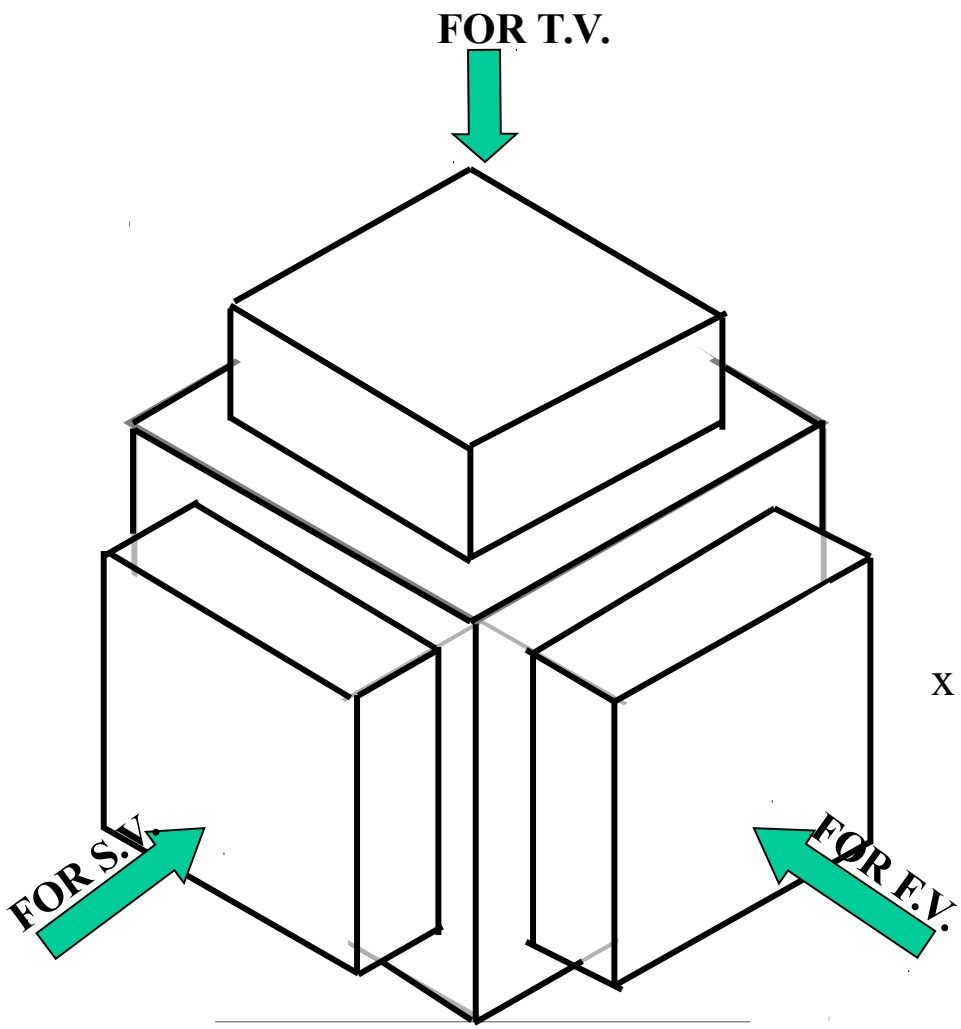
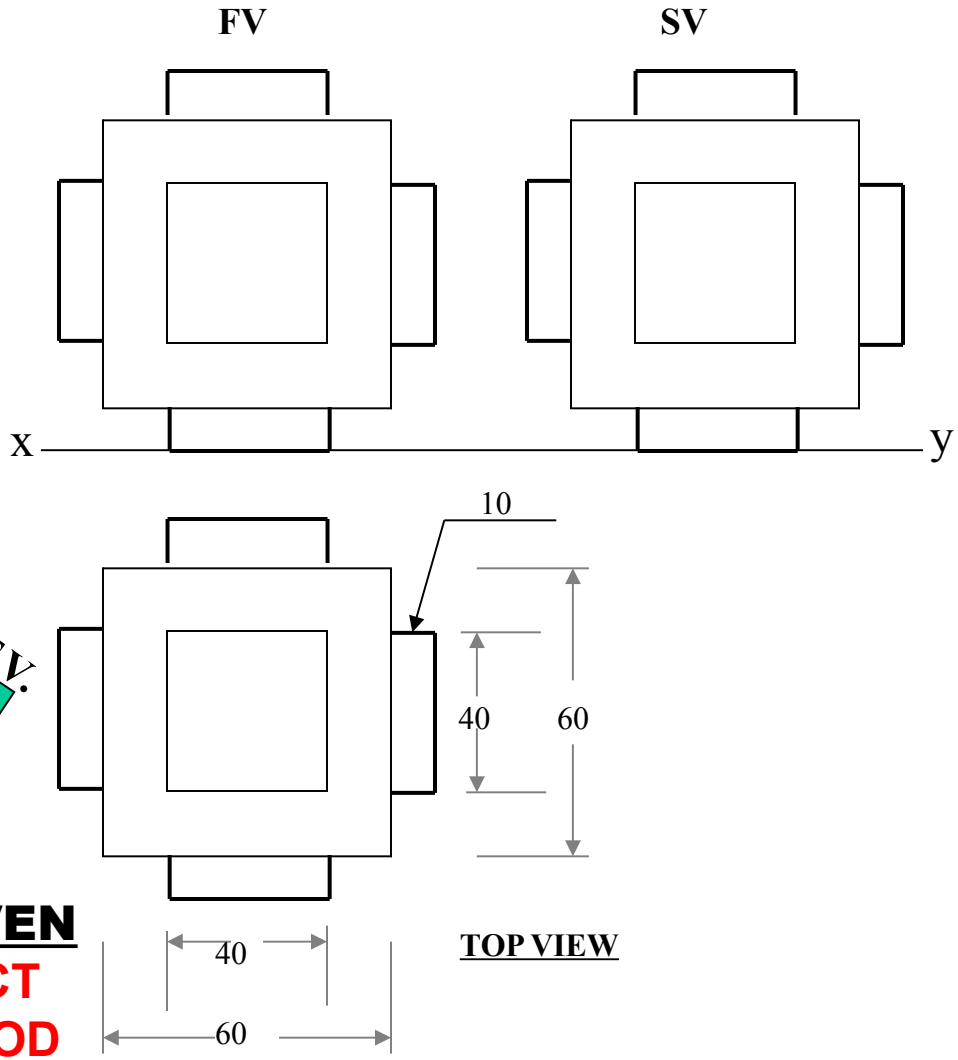
ORTHOGRAPHIC PROJECTIONS

ALL VIEWS IDENTICAL





TOP VIEW

PICTORIAL PRESENTATION IS GIVEN

DRAW THREE VIEWS OF THIS OBJECT BY FIRST ANGLE PROJECTION METHOD

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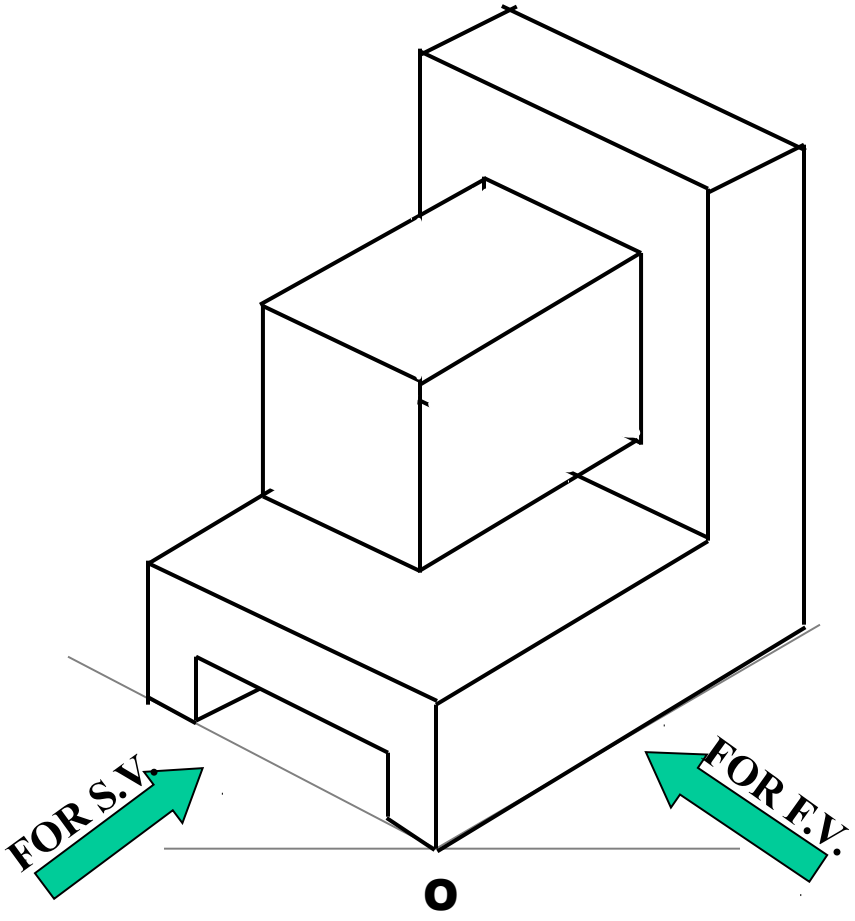

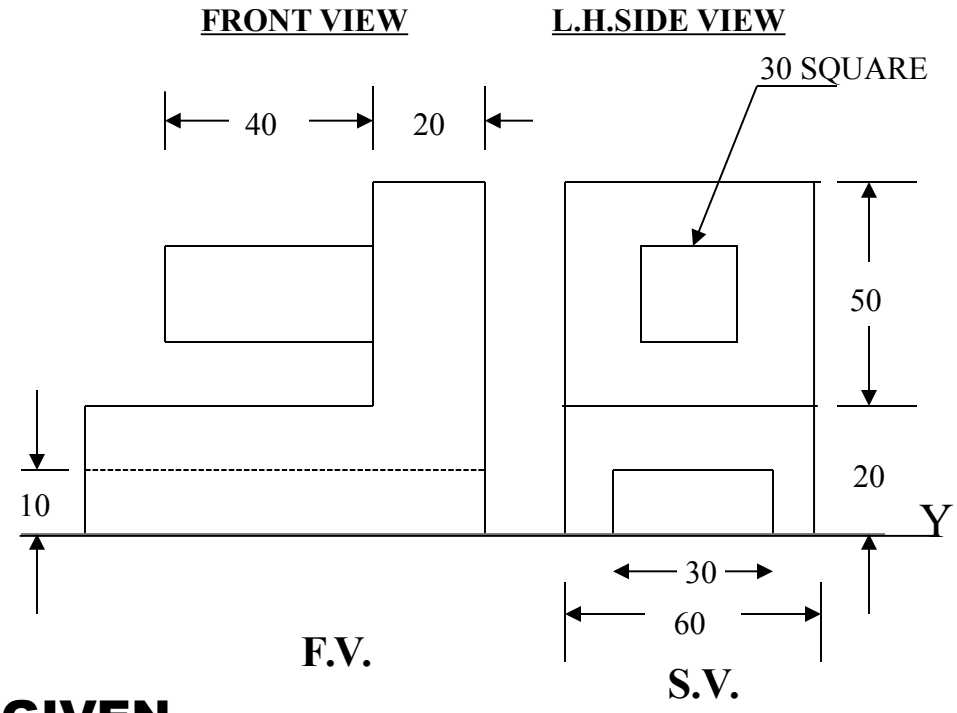

PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND SV OF THIS OBJECT
BY FIRST ANGLE PROJECTION METHOD

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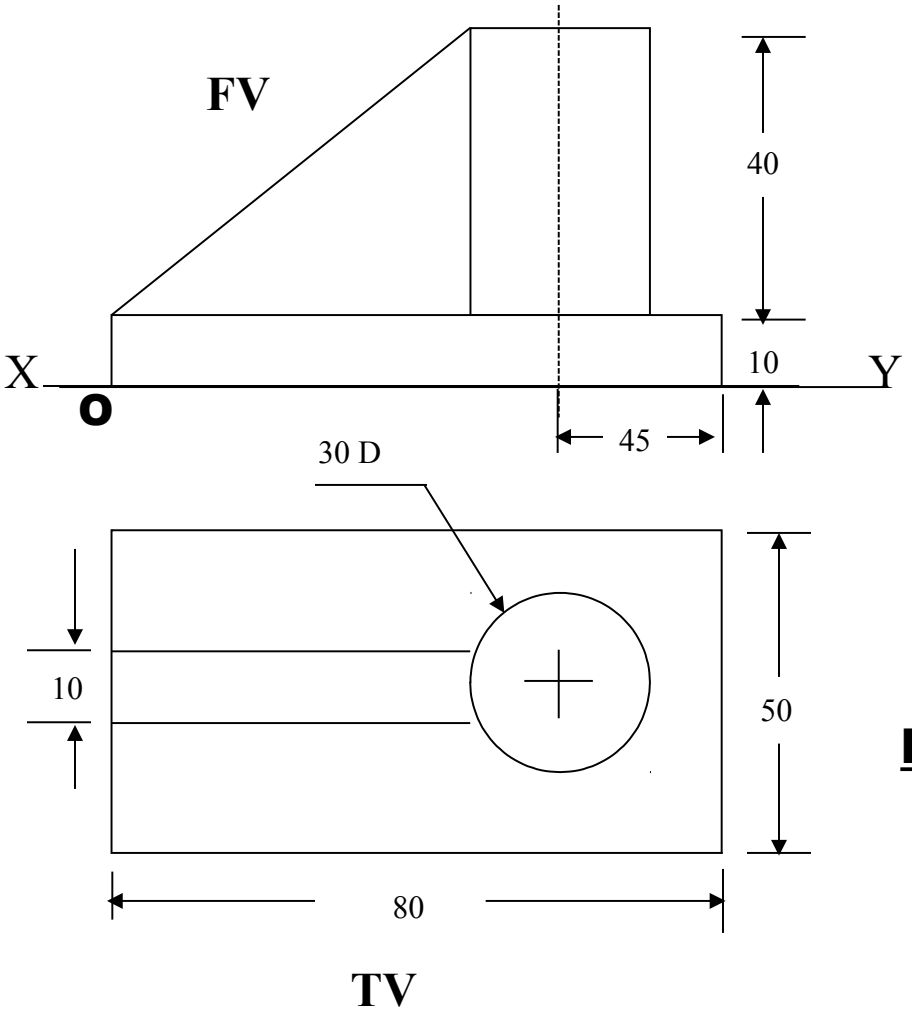
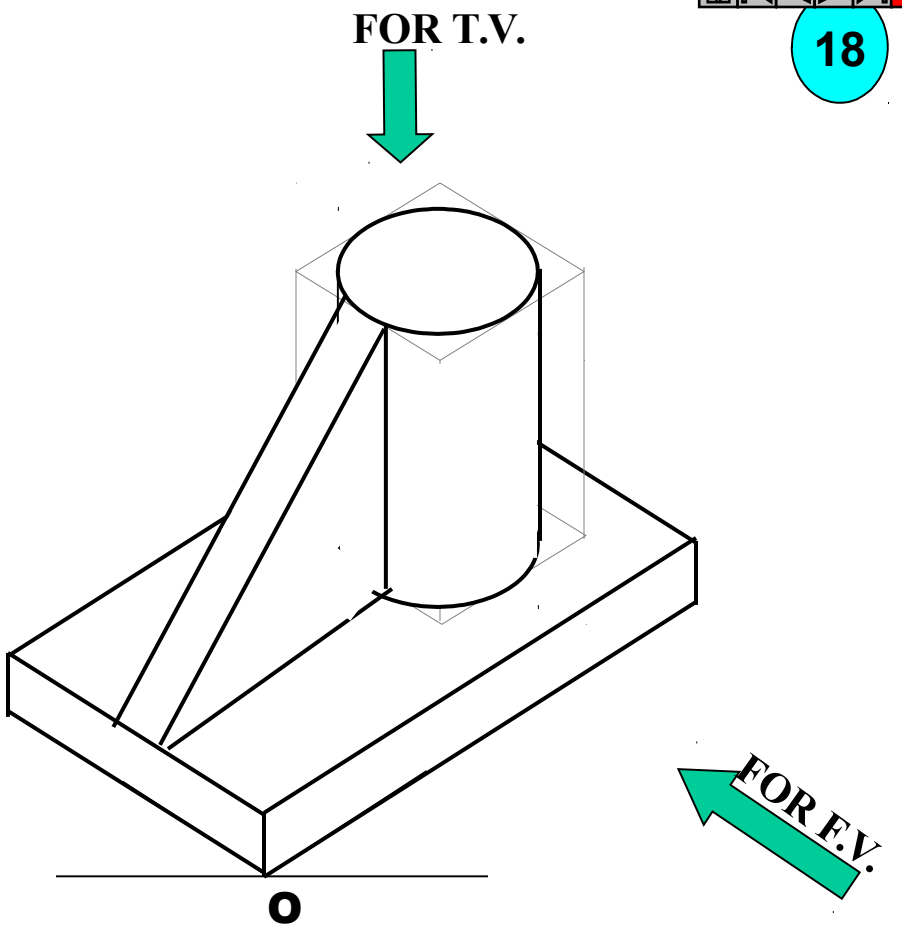
ORTHOGRAPHIC PROJECTIONS





PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND TV OF THIS OBJECT BY FIRST ANGLE PROJECTION METHOD

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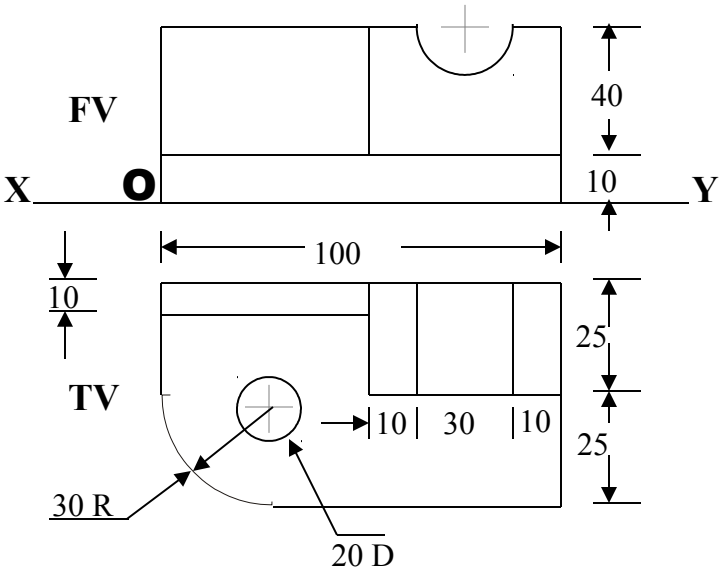
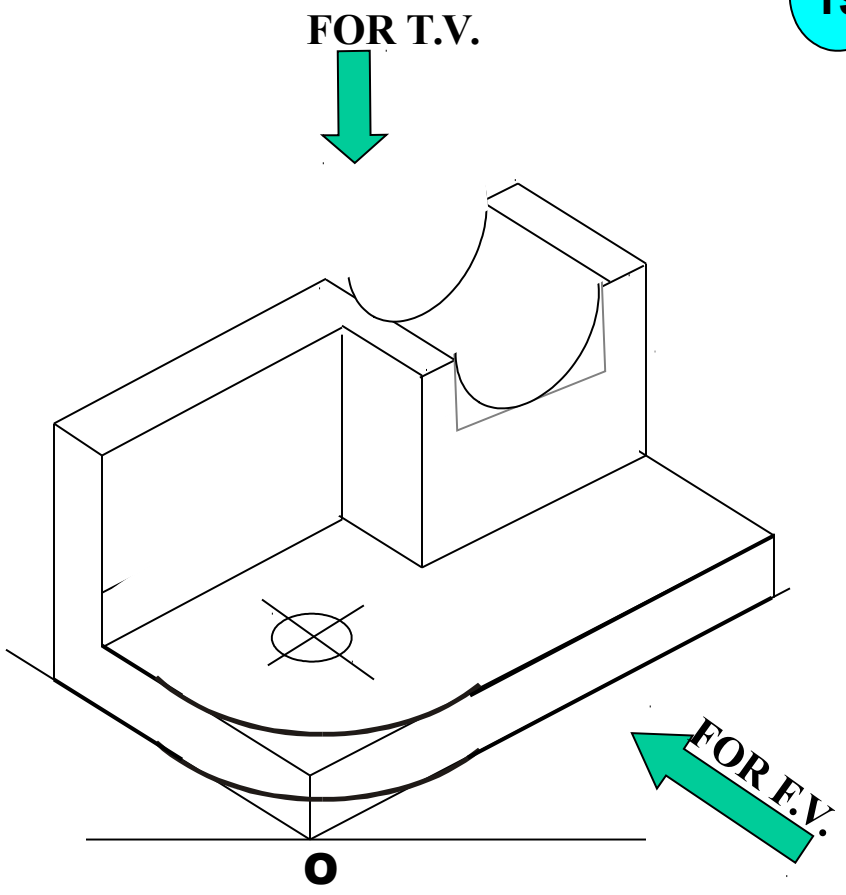
ORTHOGRAPHIC PROJECTIONS





PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND TV OF THIS OBJECT
BY FIRST ANGLE PROJECTION METHOD

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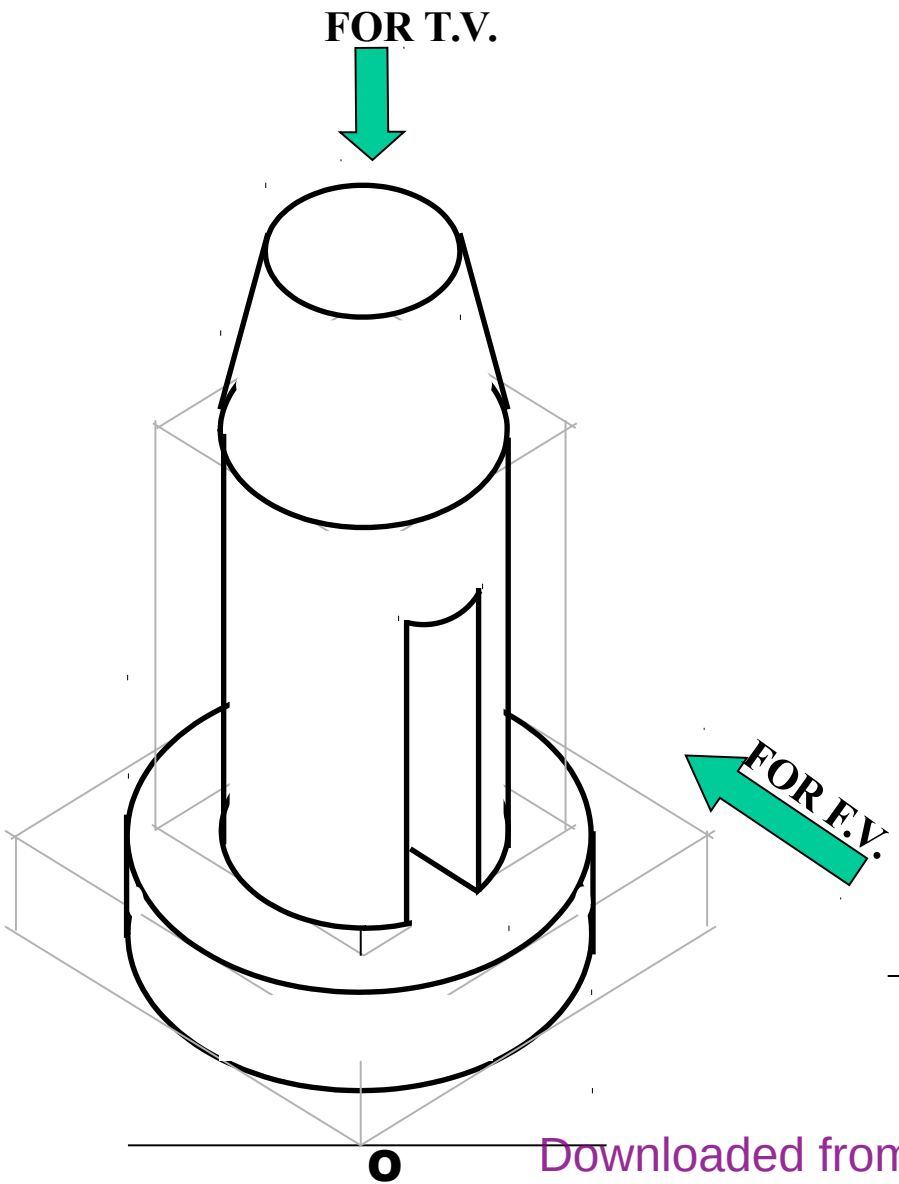

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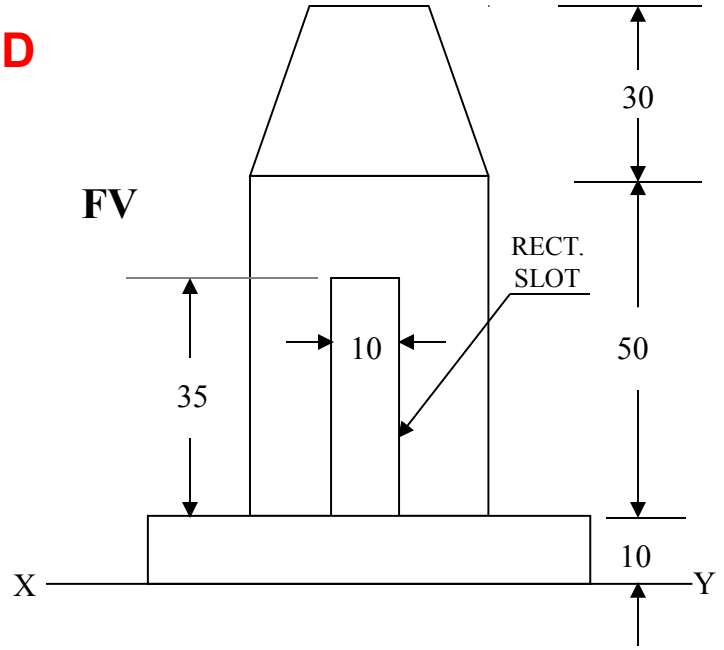

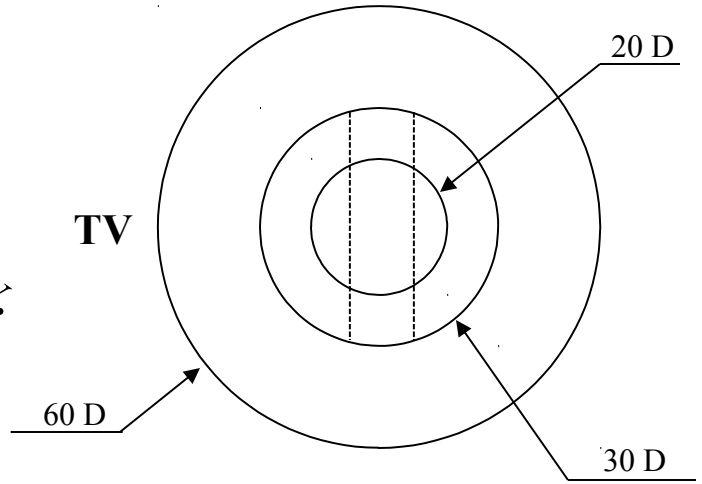

TOP VIEW

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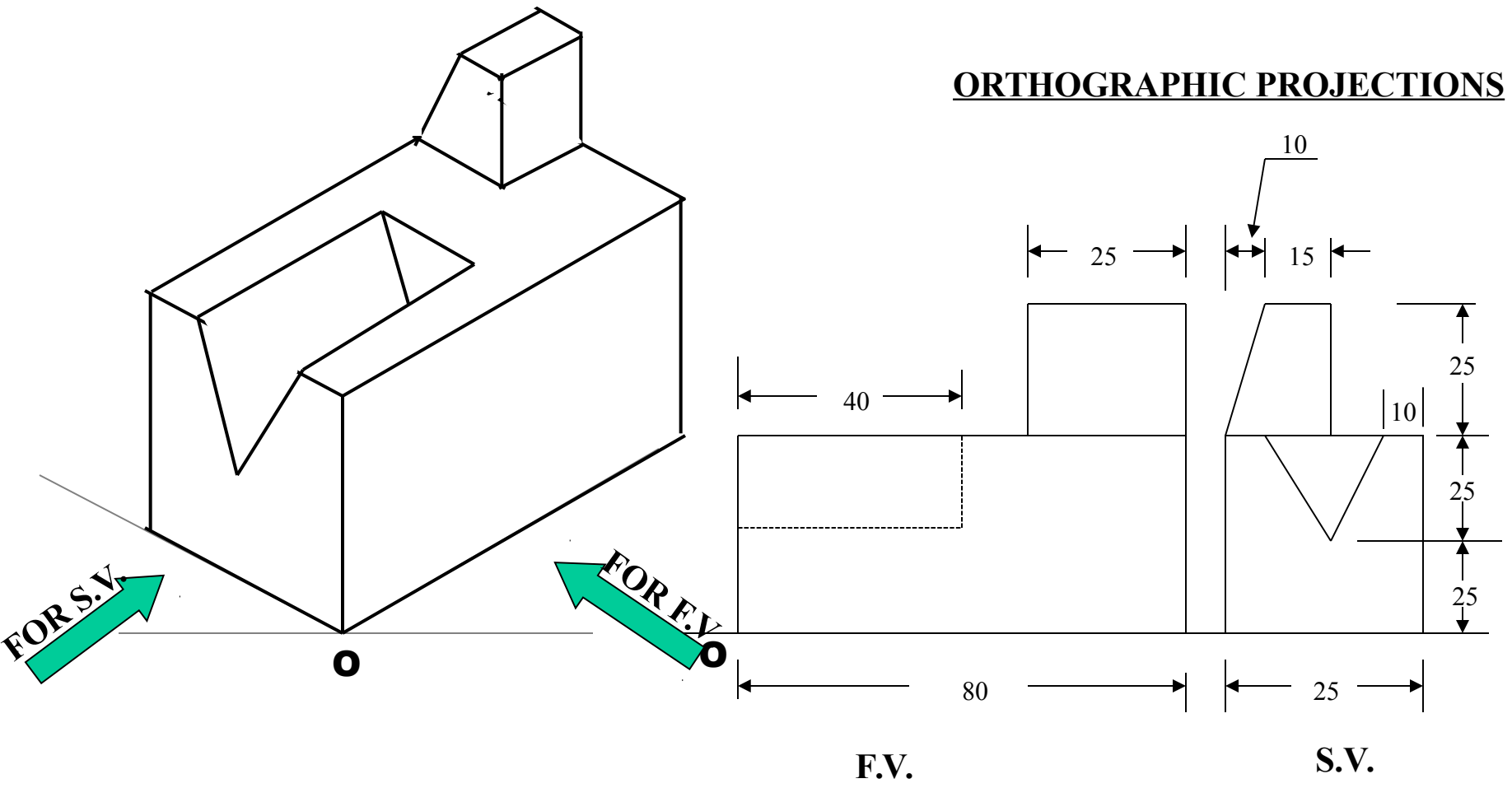
ORTHOGRAPHIC PROJECTIONS



PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND SV OF THIS OBJECT

BY FIRST ANGLE PROJECTION METHOD

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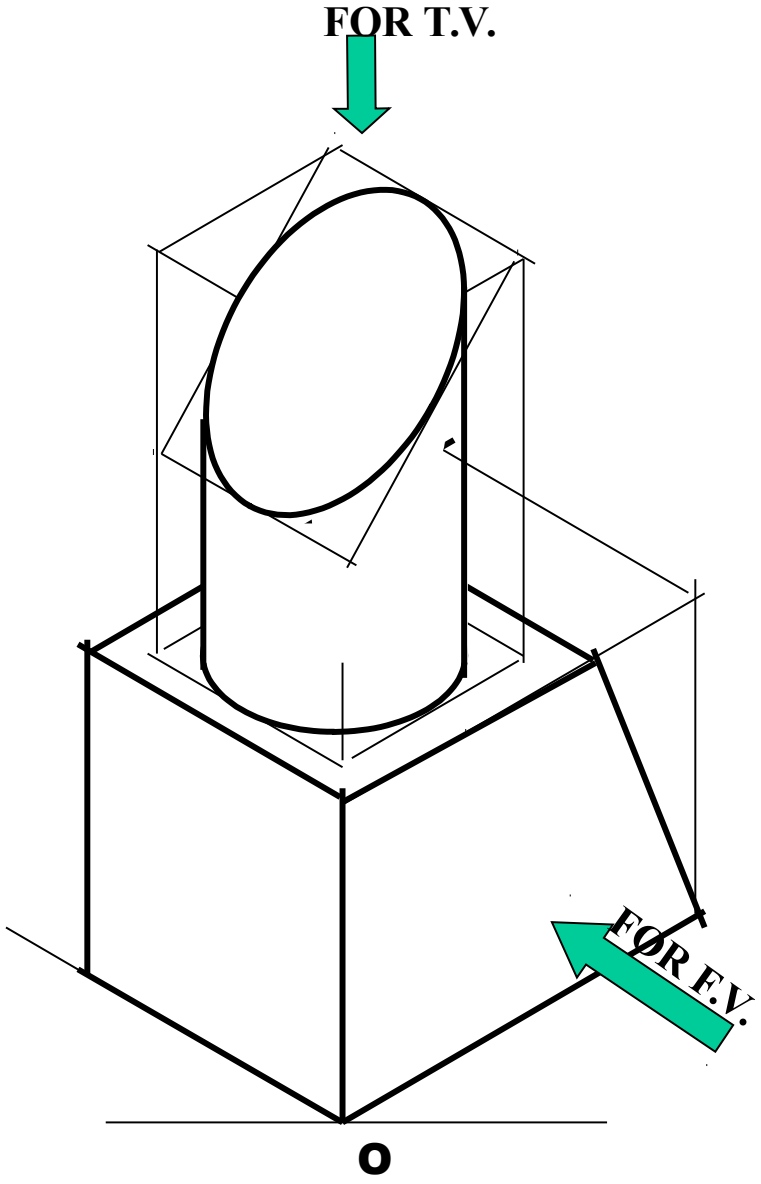
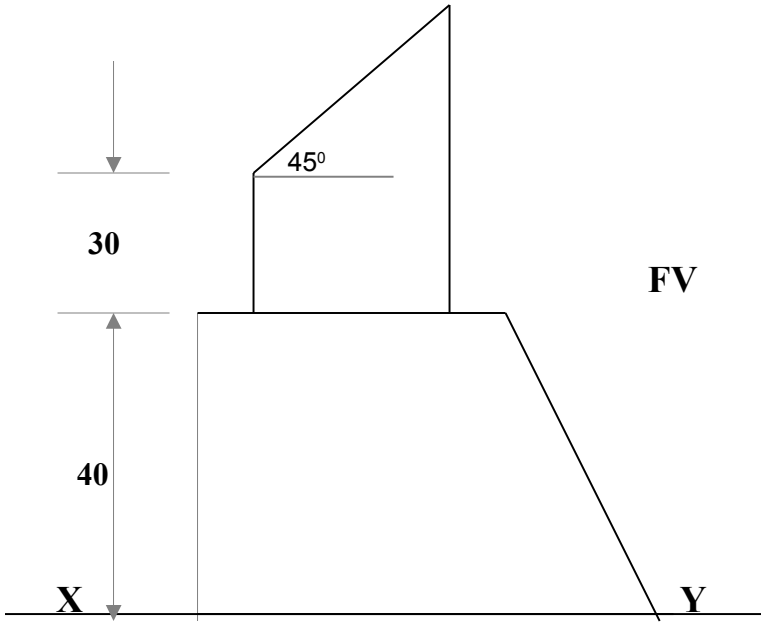
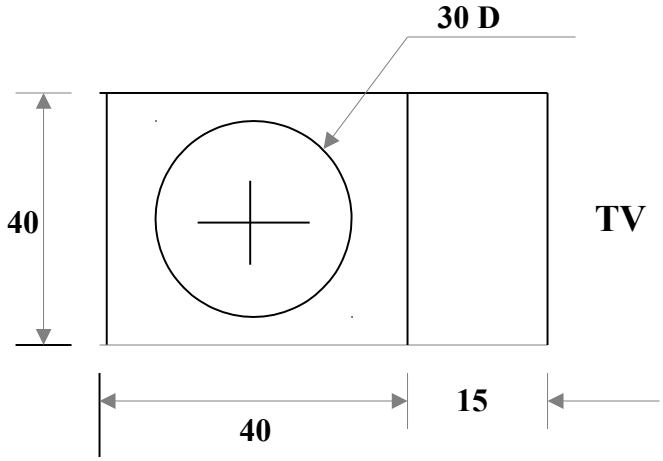




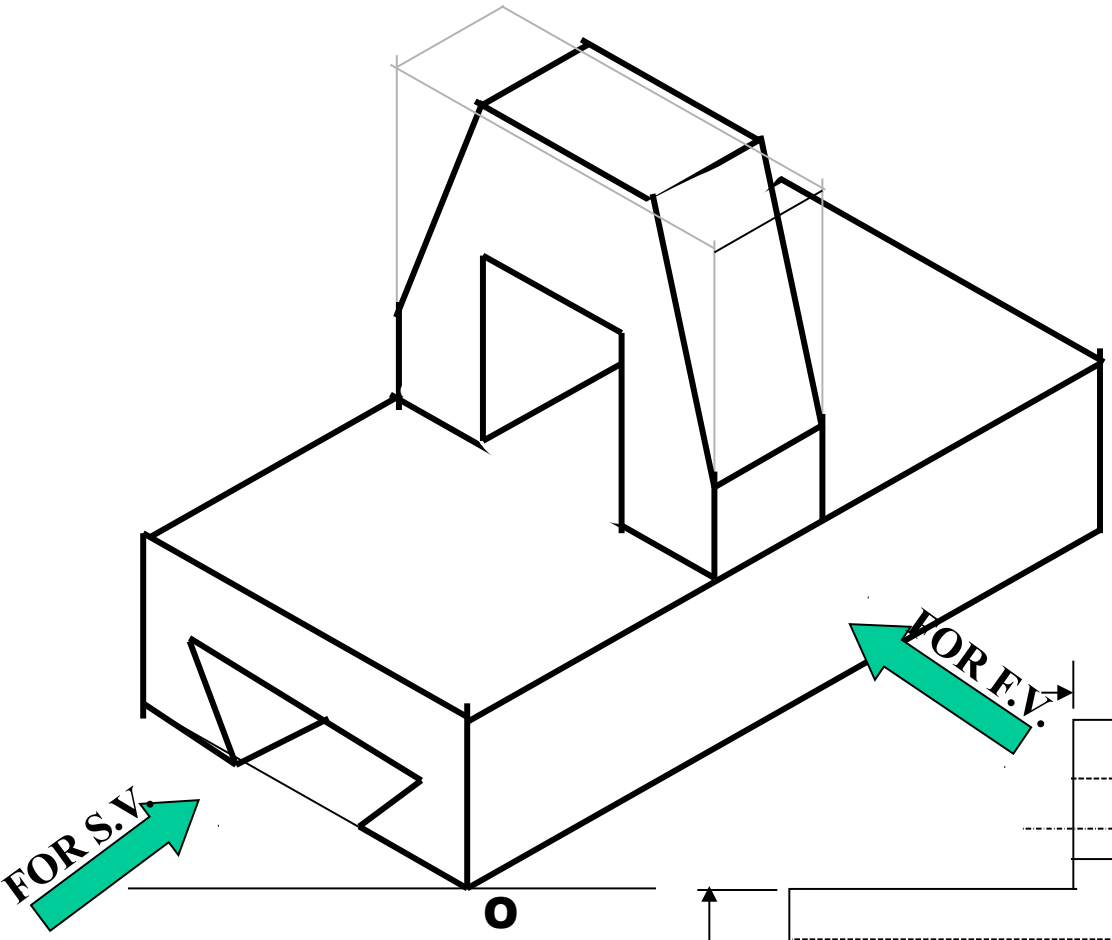


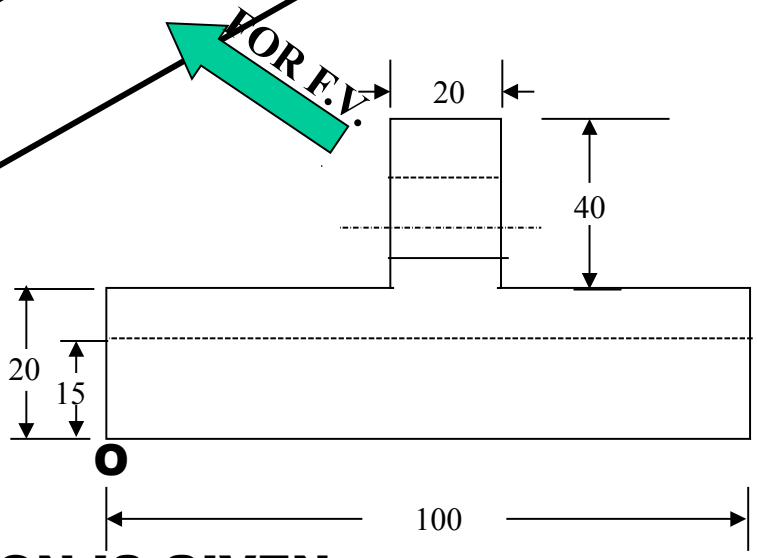
PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND TV OF THIS OBJECT
BY FIRST ANGLE PROJECTION METHOD

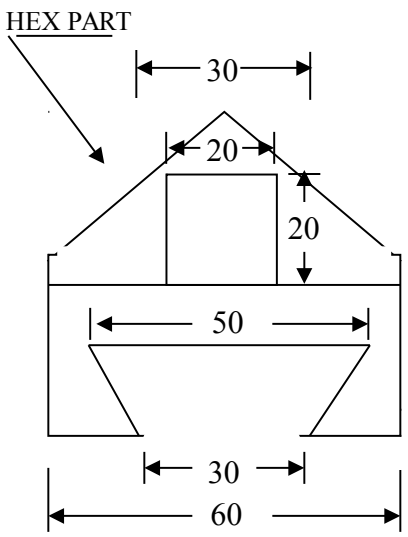
Downloaded from Ktunotes.in

ORTHOGRAPHIC PROJECTIONS





FRONT VIEW



L.H.SIDE VIEW

PICTORIAL PRESENTATION IS GIVEN

DRAW FV ABD SV OF THIS OBJECT

BY FIRST ANGLE PROJECTION METHOD

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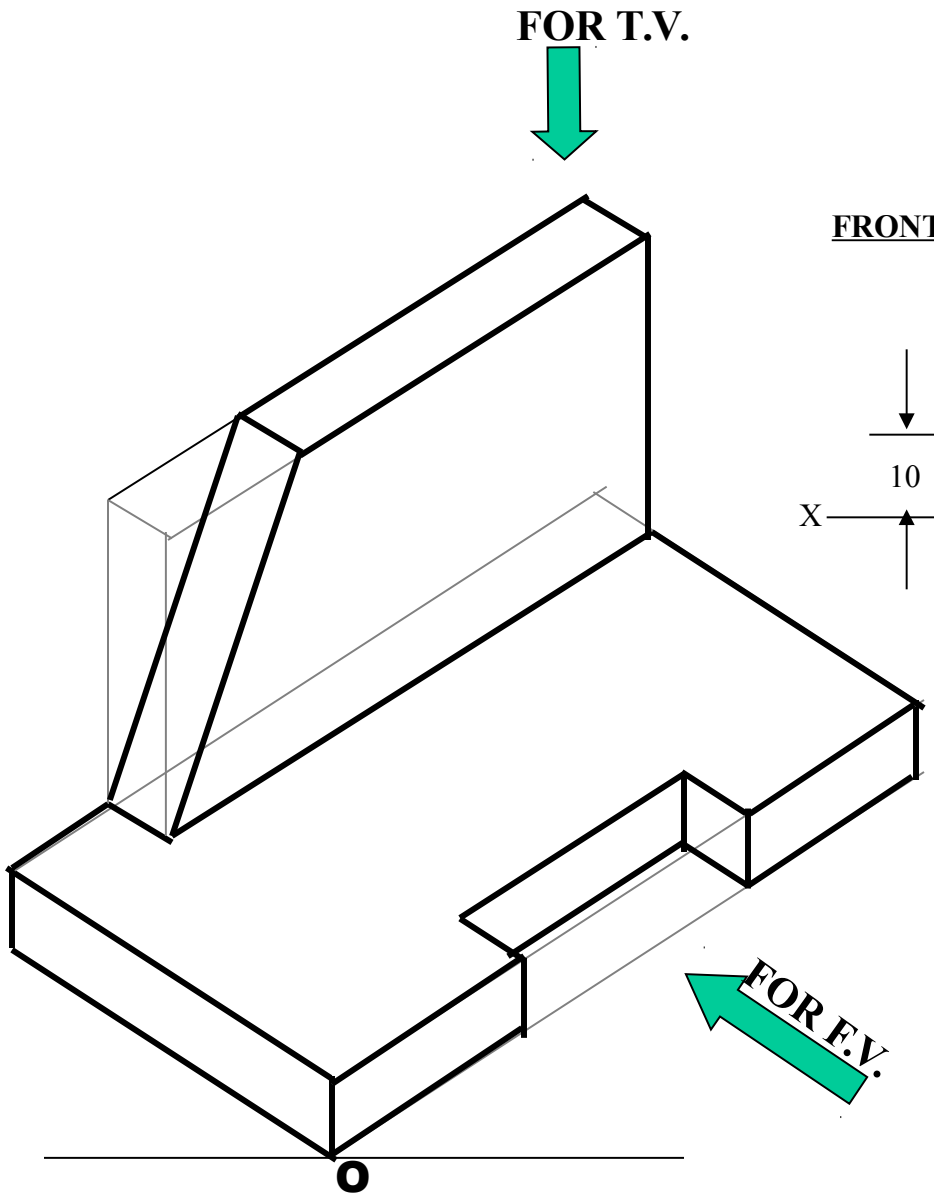
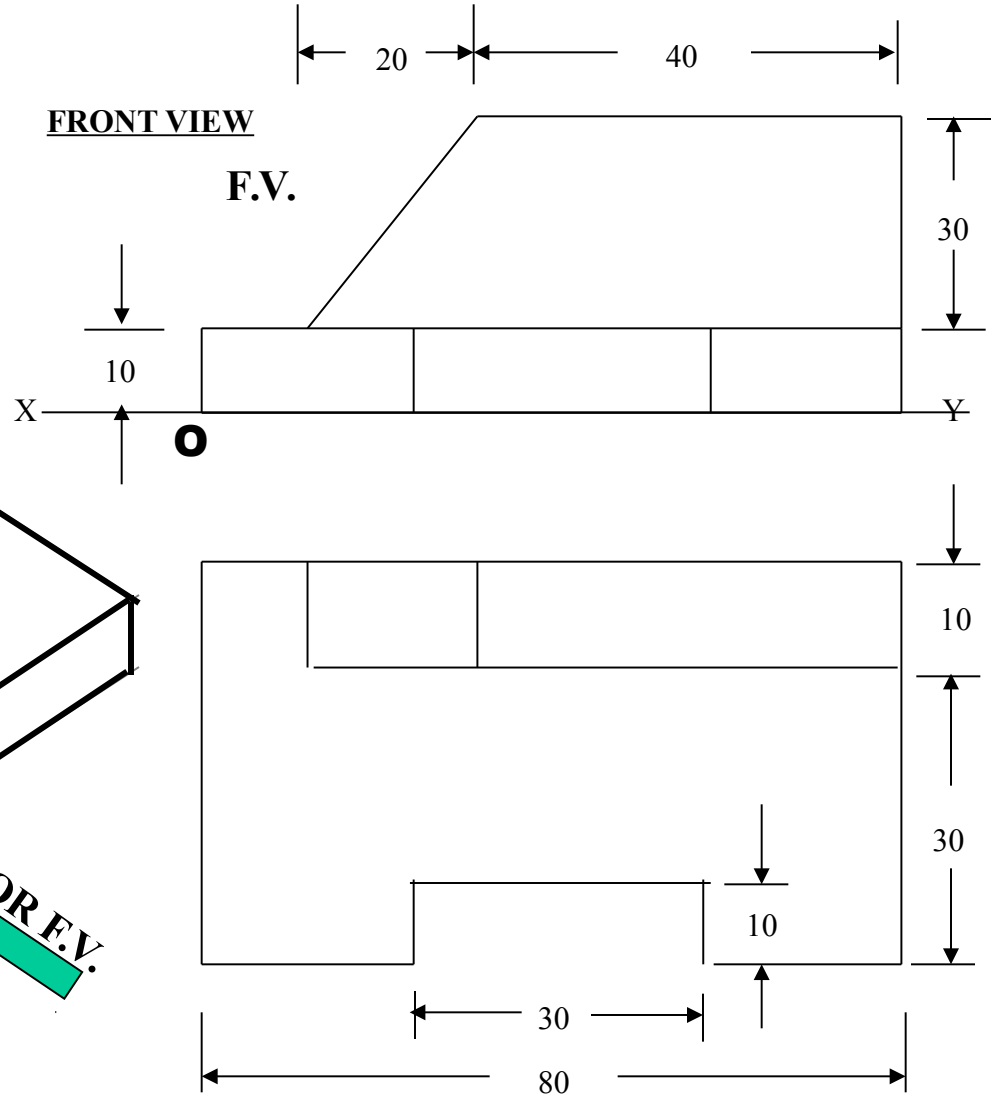
ORTHOGRAPHIC PROJECTIONS





PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND TV OF THIS OBJECT
BY FIRST ANGLE PROJECTION METHOD

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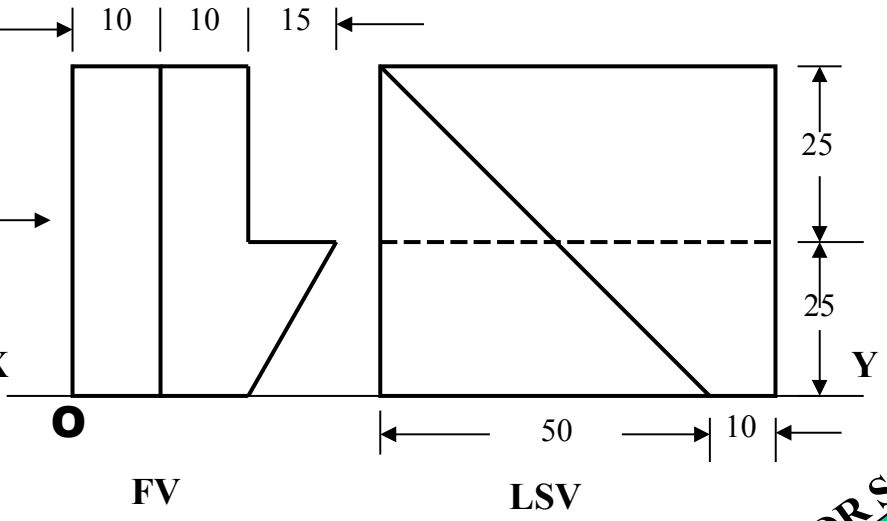

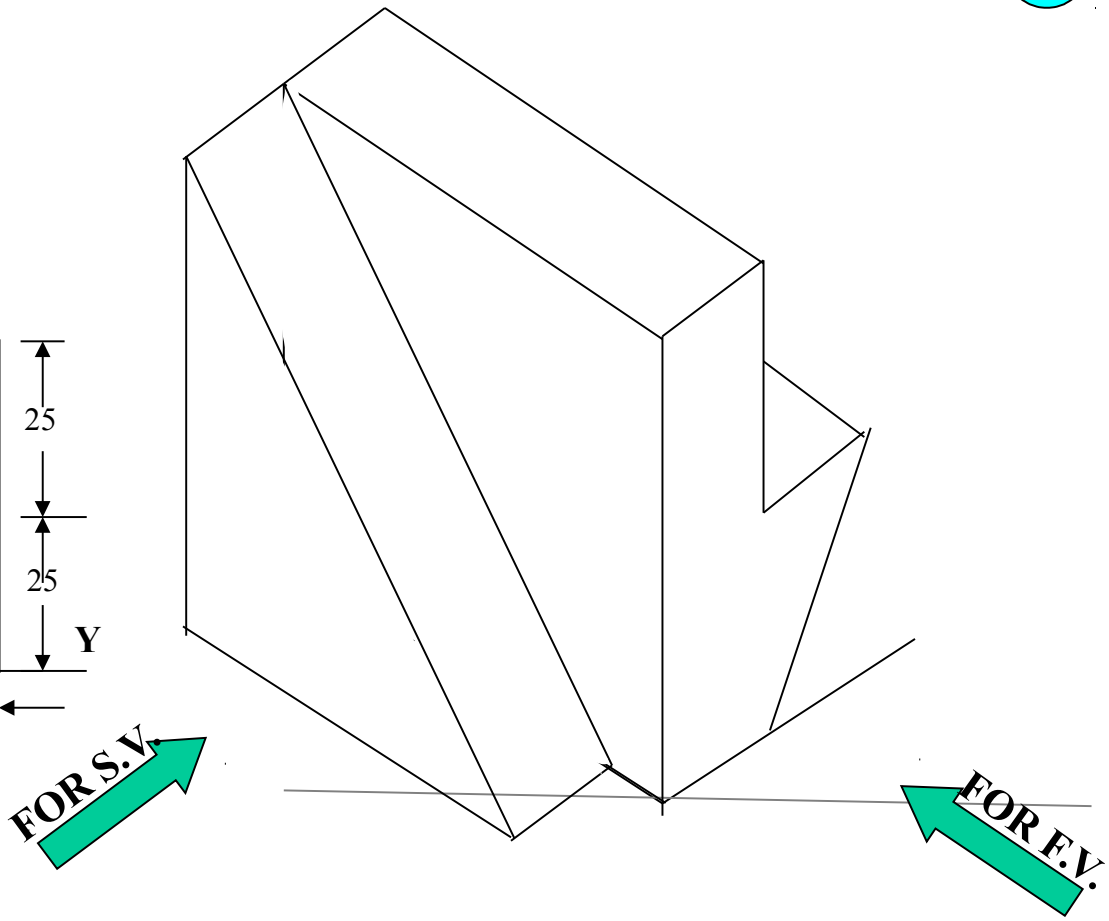

PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND LSV OF THIS OBJECT
BY FIRST ANGLE PROJECTION METHOD

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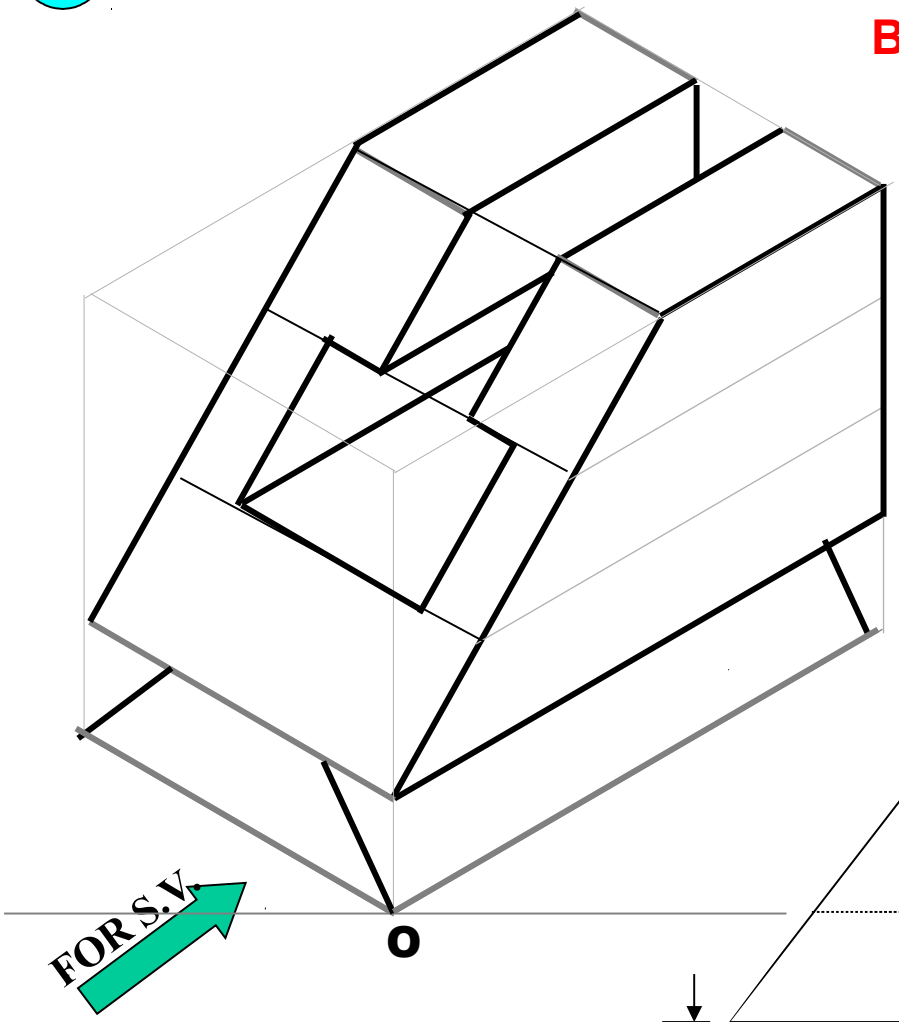
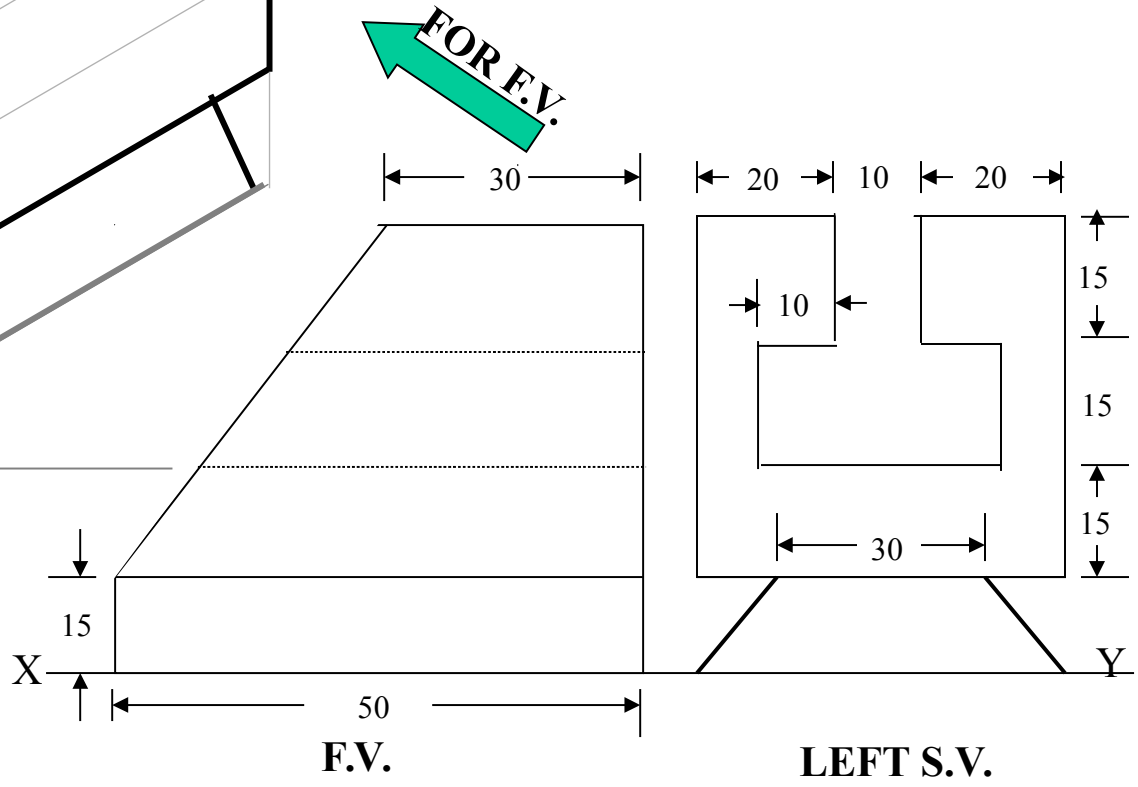
PICTORIAL PRESENTATION IS GIVEN

DRAW FV AND SV OF THIS OBJECT BY FIRST ANGLE PROJECTION METHOD



ORTHOGRAPHIC PROJECTIONS



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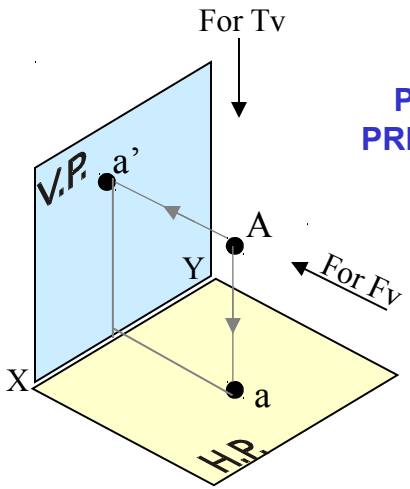
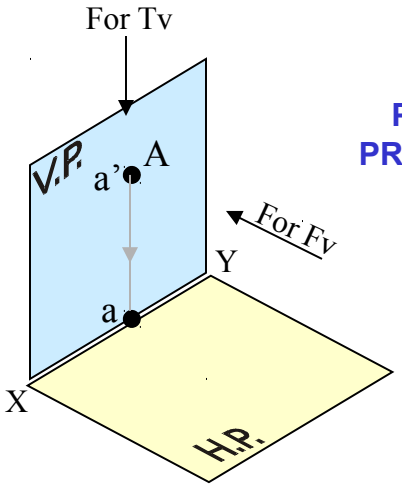
PROJECTIONS OF A POINT IN FIRST QUADRANT.

POINT A ABOVE HP & INFRONT OF VP



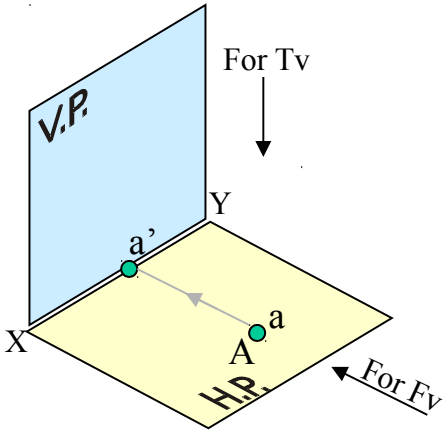
PICTORIAL PRESENTATION

POINT A ABOVE HP & IN VP



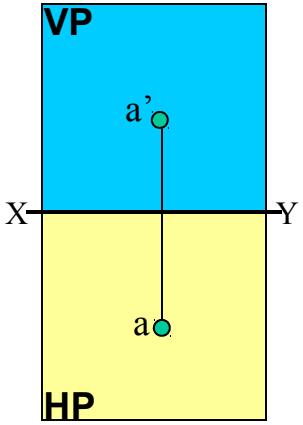
PICTORIAL PRESENTATION

POINT A IN HP & INFRONT OF VP

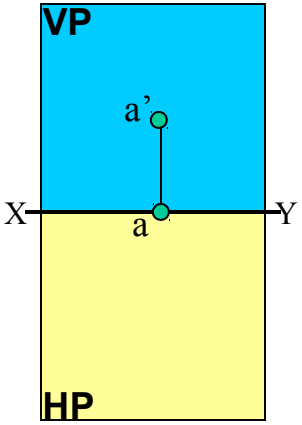


ORTHOGRAPHIC PRESENTATIONS OF ALL ABOVE CASES.

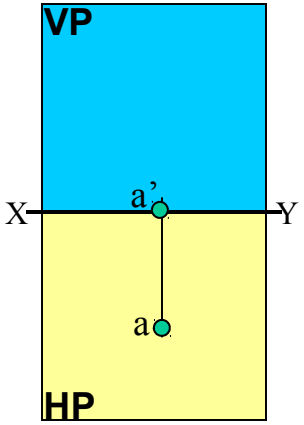
Fv above xy, Tv below xy.



Fv above xy, Tv on xy.



Fv on xy, Tv below xy.



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END OF SESSION 1

NEXT SESSION

PROJECTION OF LINES

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