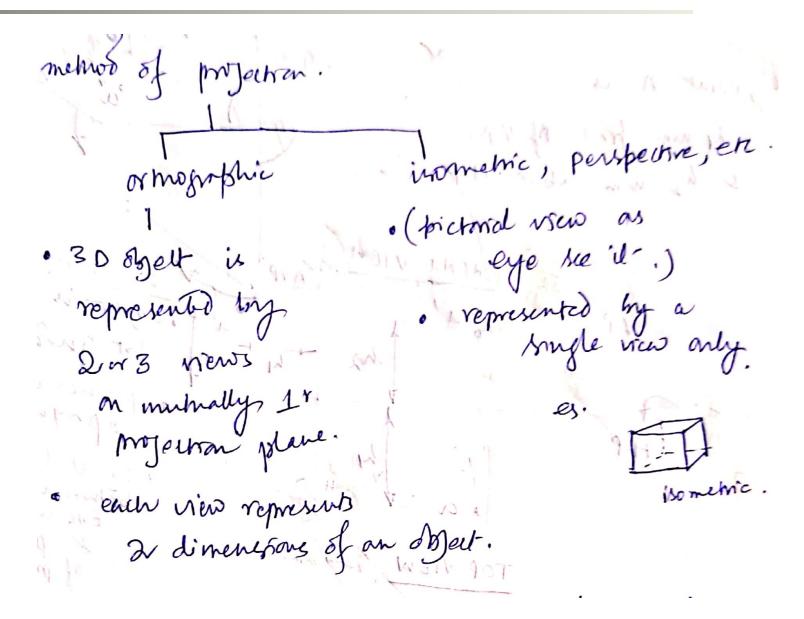
# Module 2: ORTHOGRAPHIC PROJECTIONS

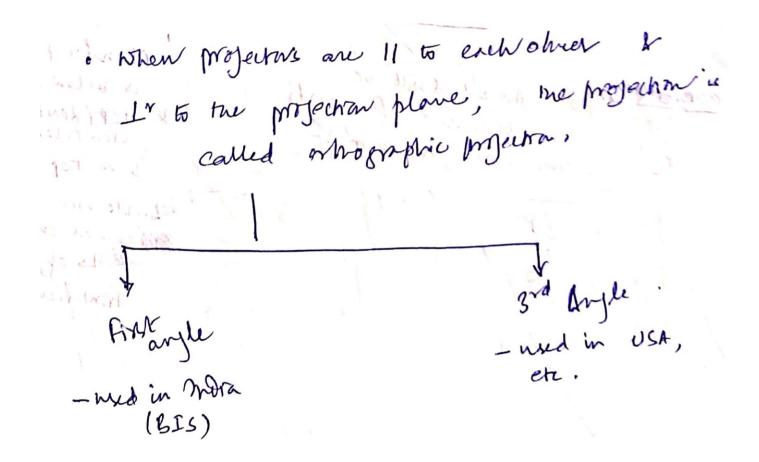
### **Objectives**

- Learn basics of orthographic projections.
- First angle projection
- Projection of points and lines

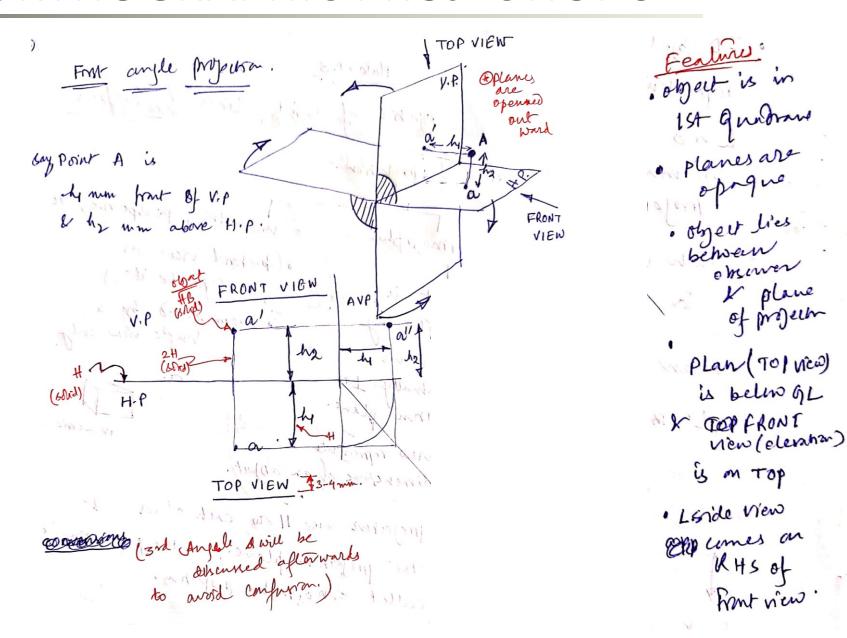
#### **Basics**



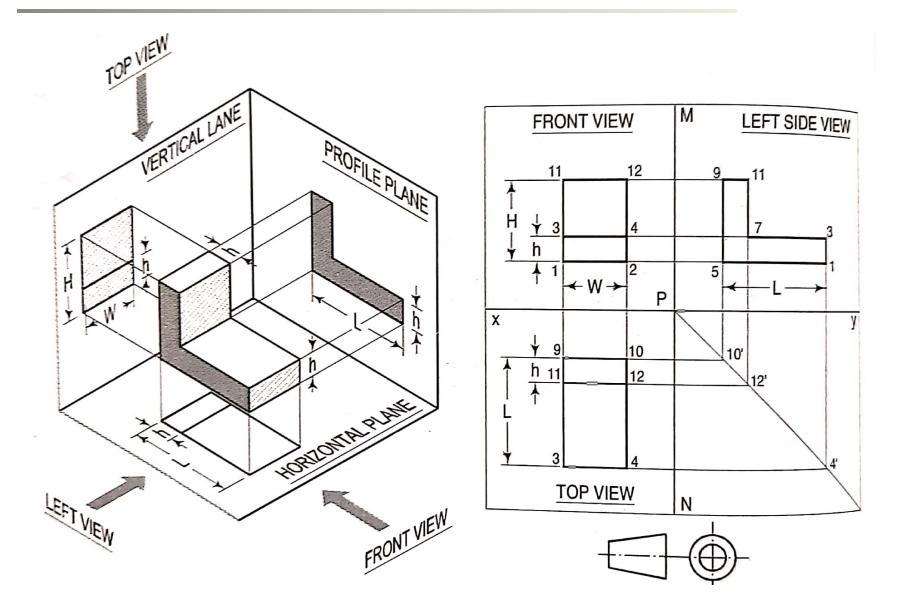
#### **ORTHOGRAPHIC PROJECTIONS**



#### **ORTHOGRAPHIC PROJECTIONS**



#### **ORTHOGRAPHIC PROJECTIONS**



#### **PROJECTIONS OF LINES**

https://www.youtube.com/watch?v=mStD1NN42tE

https://www.youtube.com/watch?v=MSg7DpKgaK8

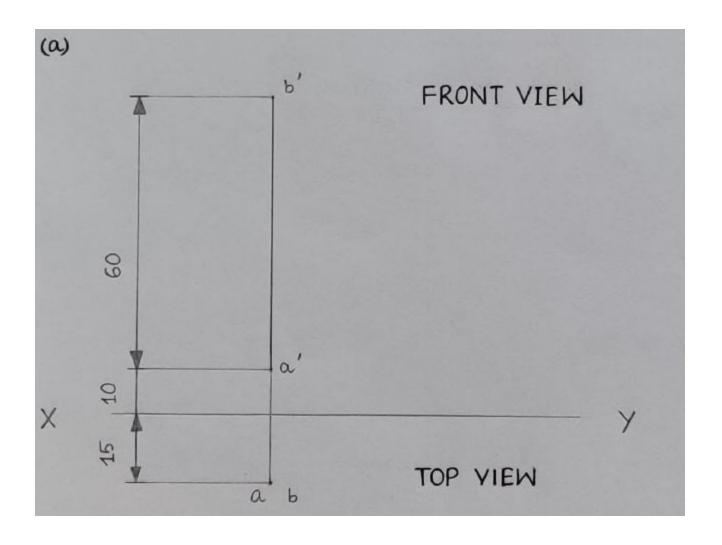
https://www.youtube.com/watch?v=wzxAFXejjw8

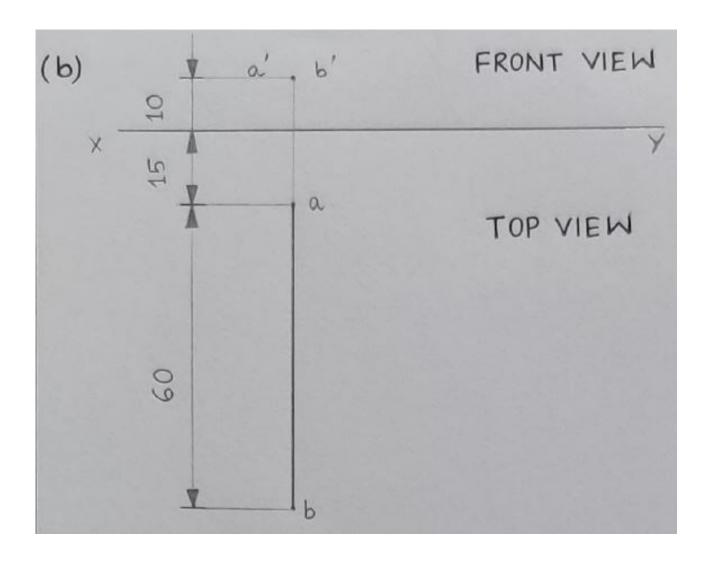
## Assignment#2

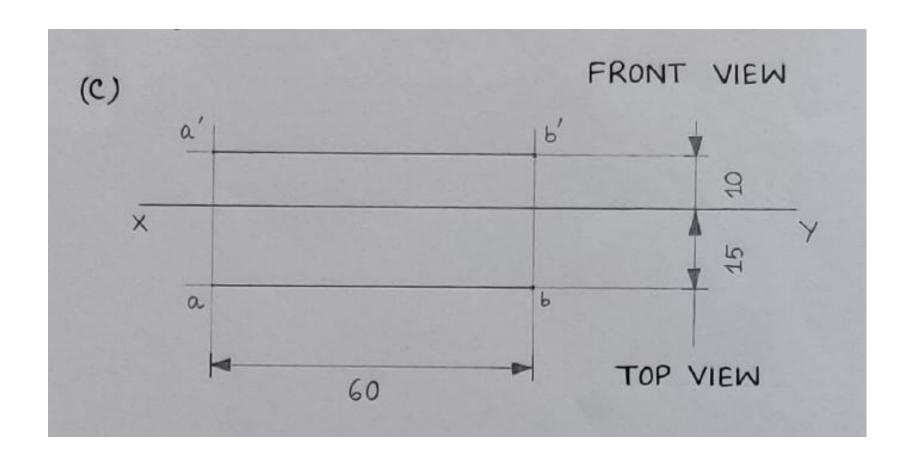
A line AB is of length 60 mm. The end A is 10 mm above HP and 15 mm in front of VP. Draw plan and elevation of the line when it is — a) parallel to VP and perpendicular to HP, b) parallel to HP and perpendicular to VP, c) parallel to both HP and VP, d) parallel to VP and inclined to HP at 30°, e) parallel to HP and inclined to VP at 45°, f) inclined to HP at 30° and to VP at 45°.

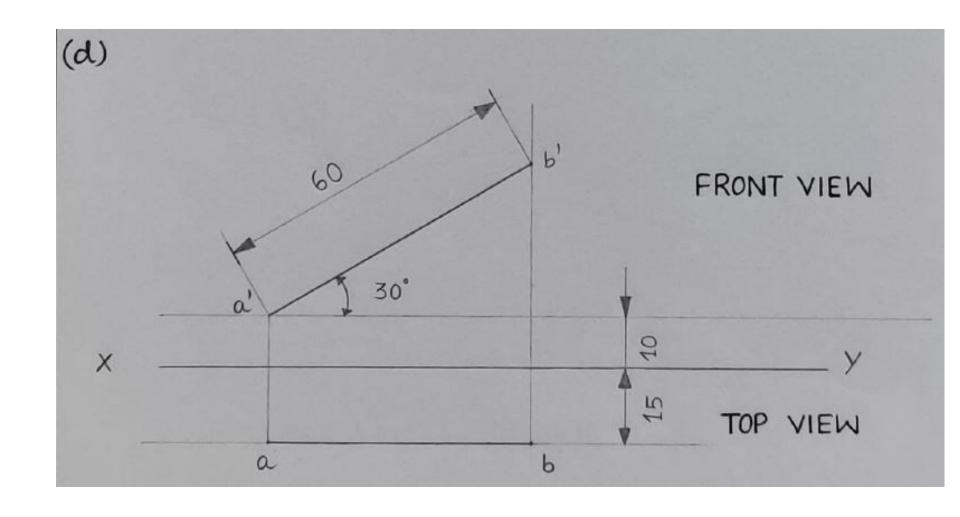
Also mention values of apparent inclinations for question no. f)

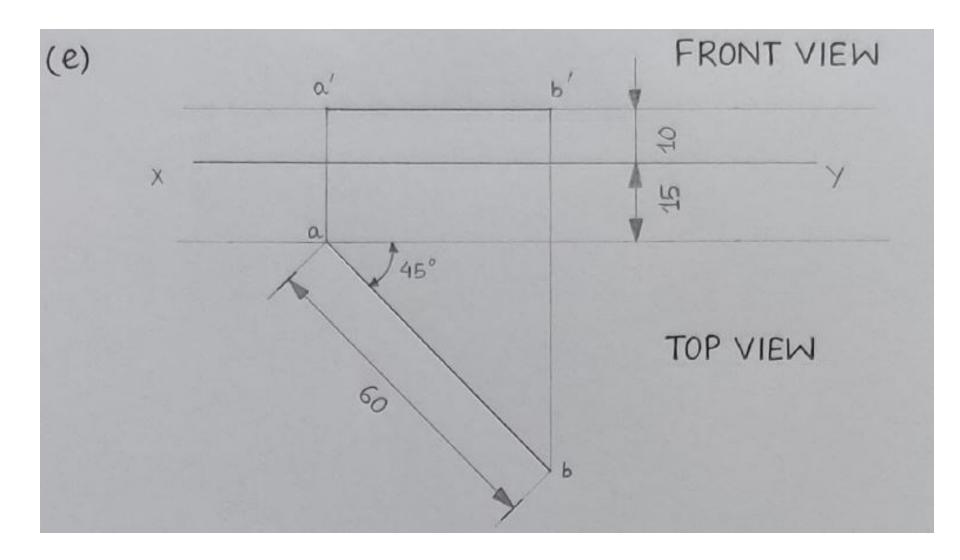
Last date of submission: 13 Jan 2022

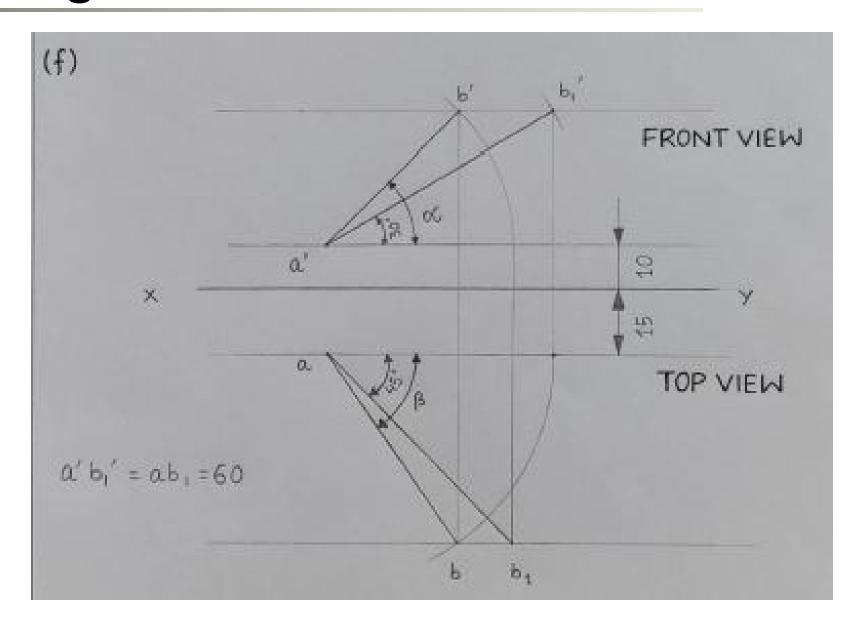


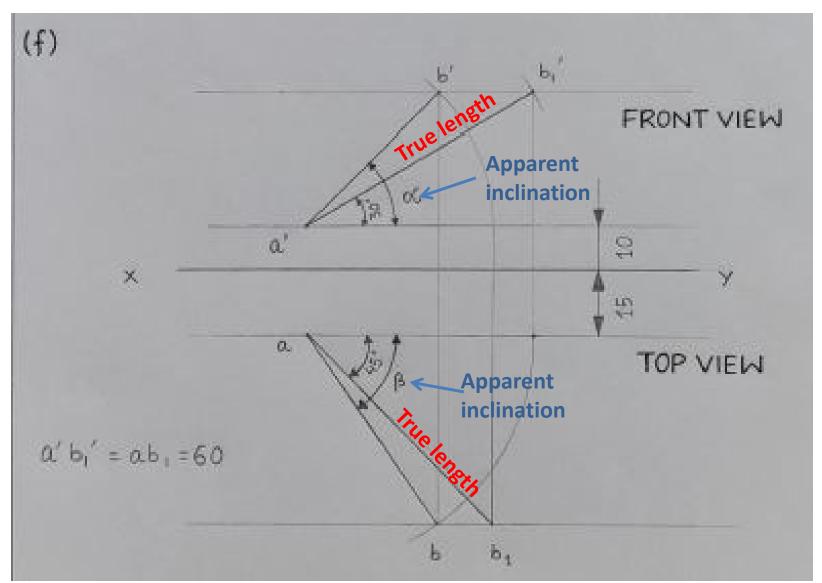












\*mention values of apparent inclinations in your answer for Qn.# (f)

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January 2, 2022 XES 51: Engineering Graphics