Lecture 8

ORTHOGRAPHIC PROJECTIONS

:: SECTIONING



TA 101: Engineering Graphics

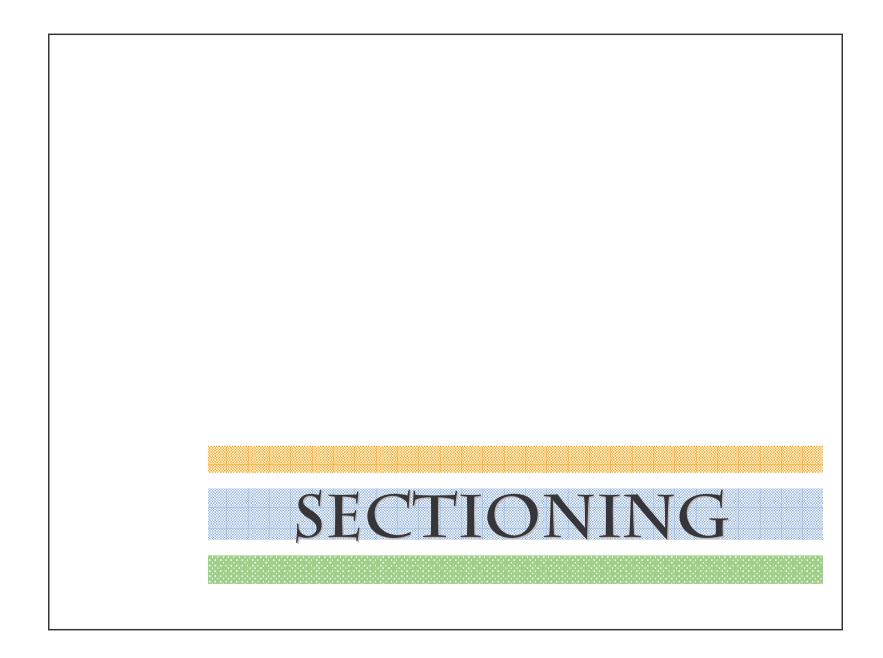
2007~08 Semester II

January – May 2008

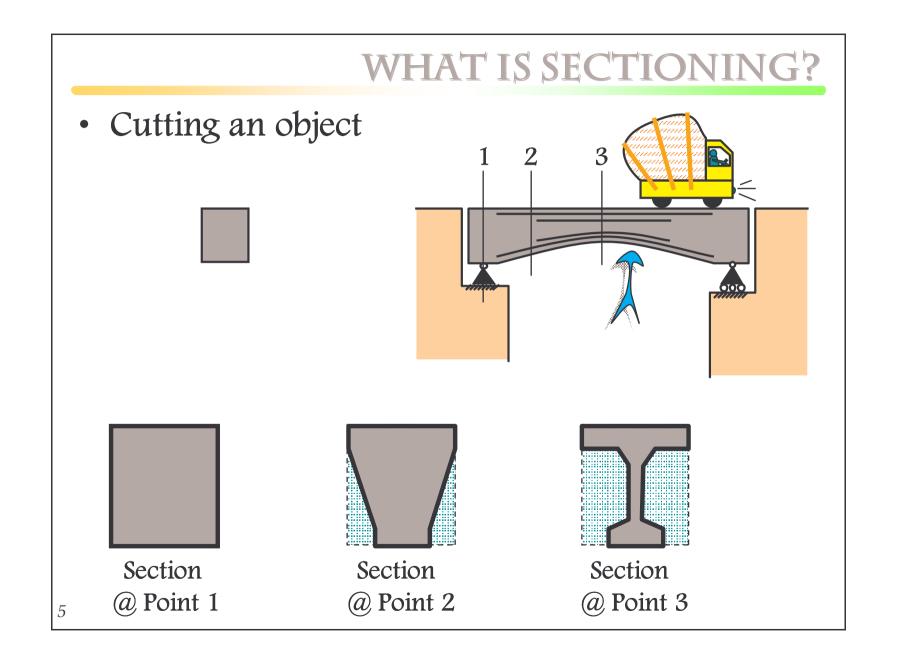
OUTLINE

- · Why sectioning should be done
- Some Conventions on line styles
- Examples

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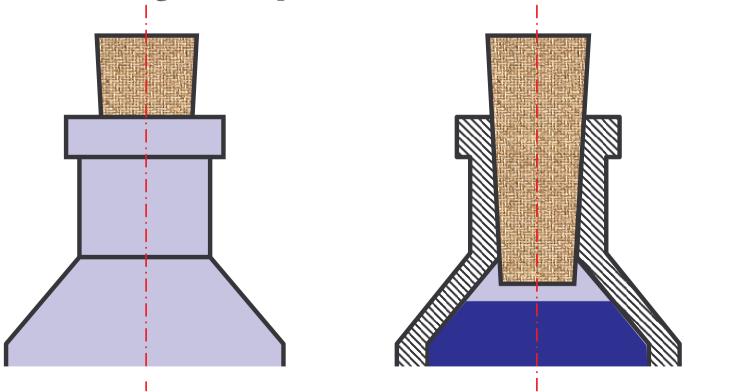


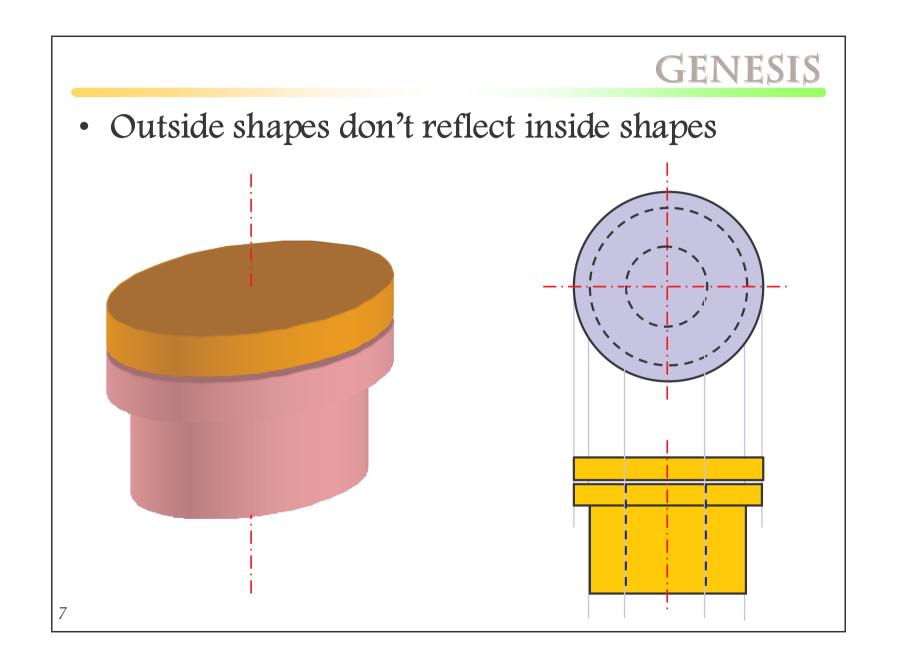
WHAT IS SECTIONING?

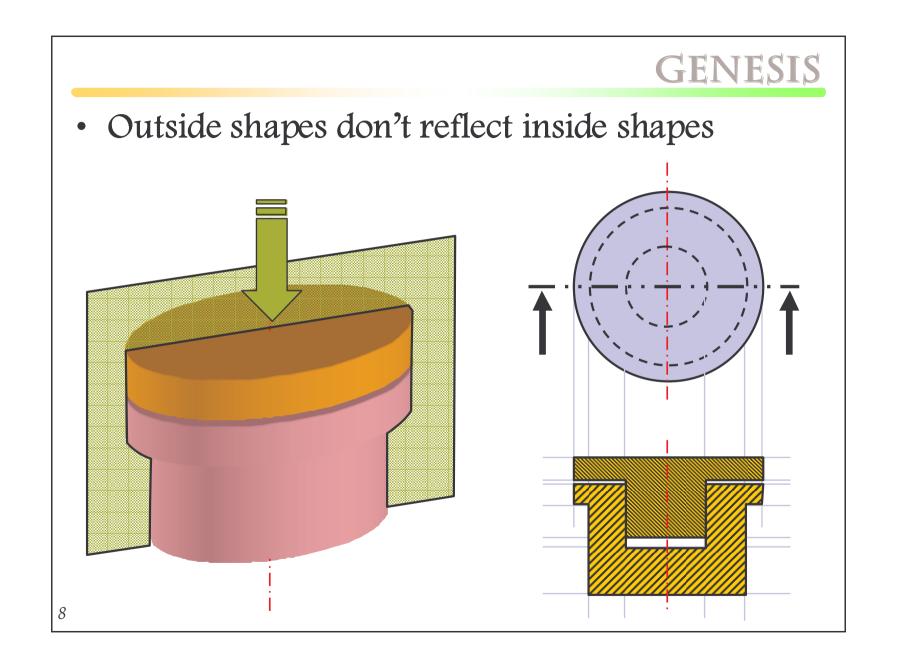


GENESIS

- Some objects have different shapes on the exterior and in the interior
 - Sectioning used to provide details of the interior

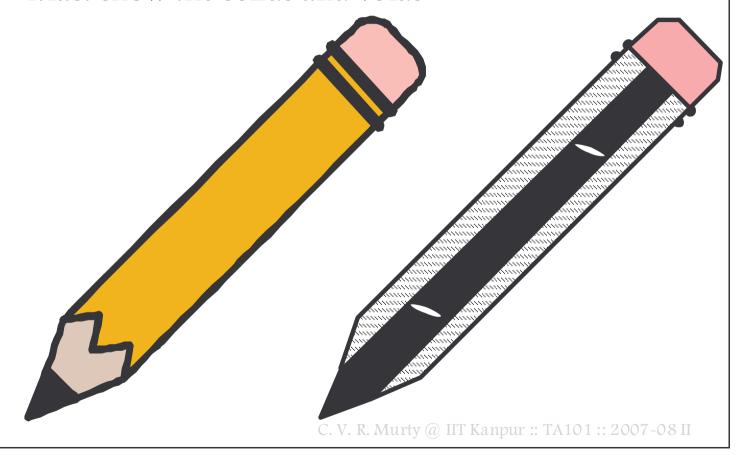


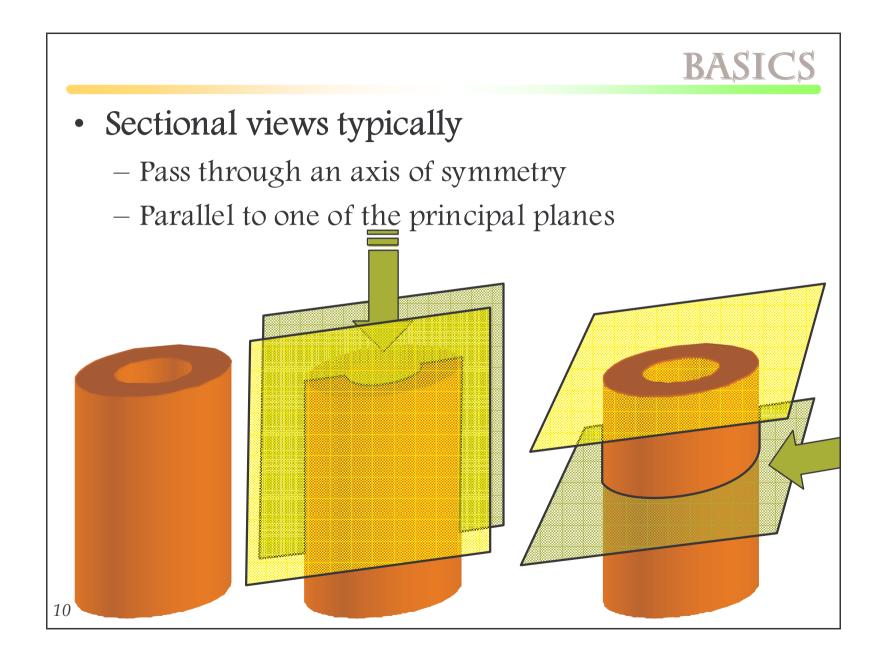




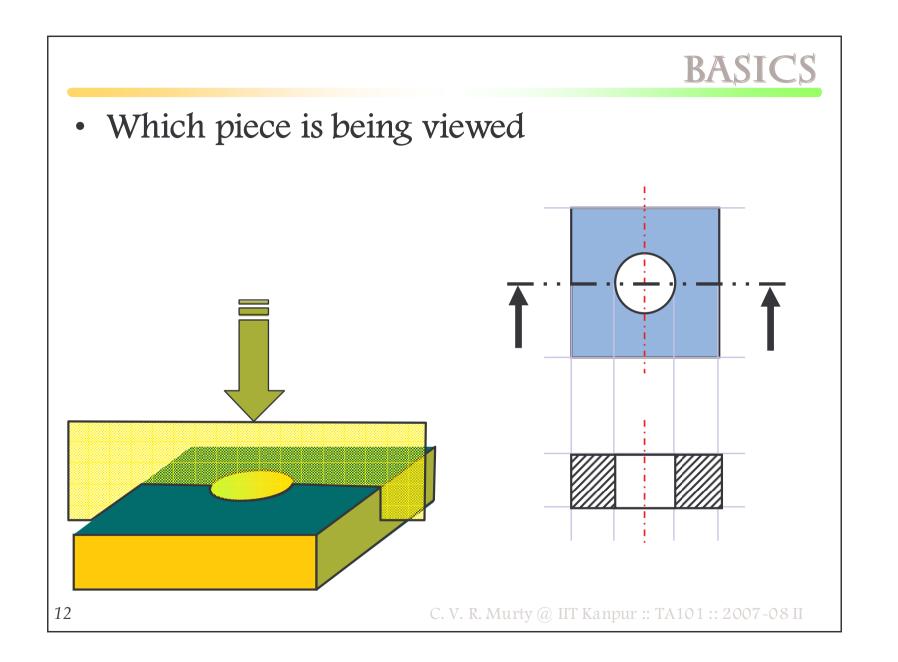
BASICS

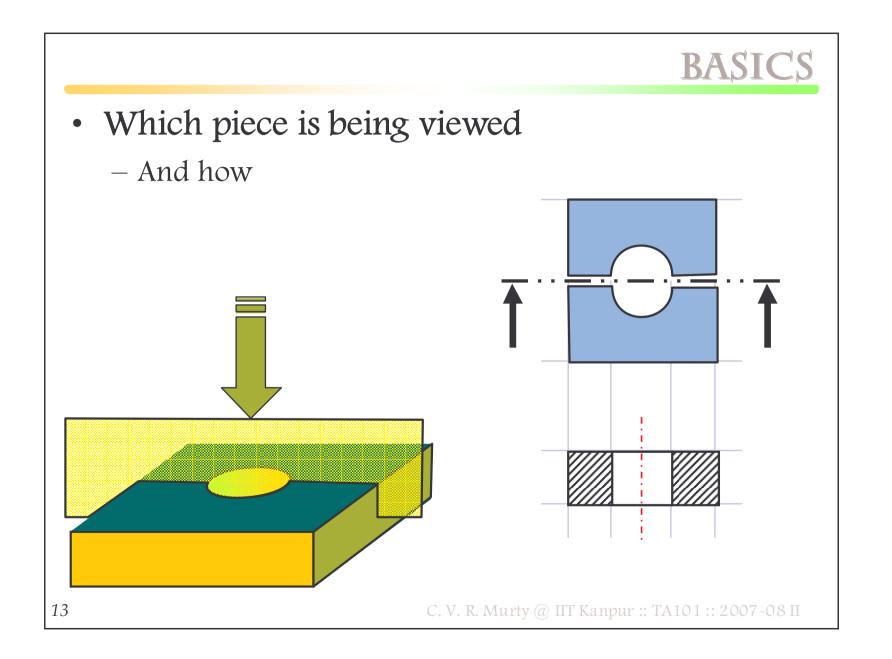
- Sectional views
 - Must show the solids and voids



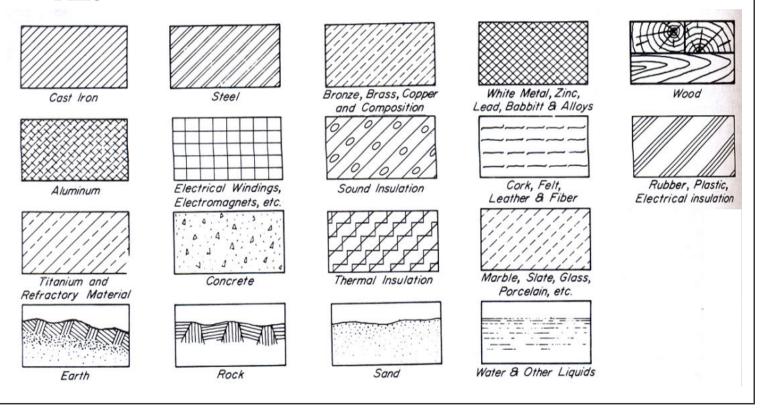


Basic items in drawing a sectional view Section AA 11

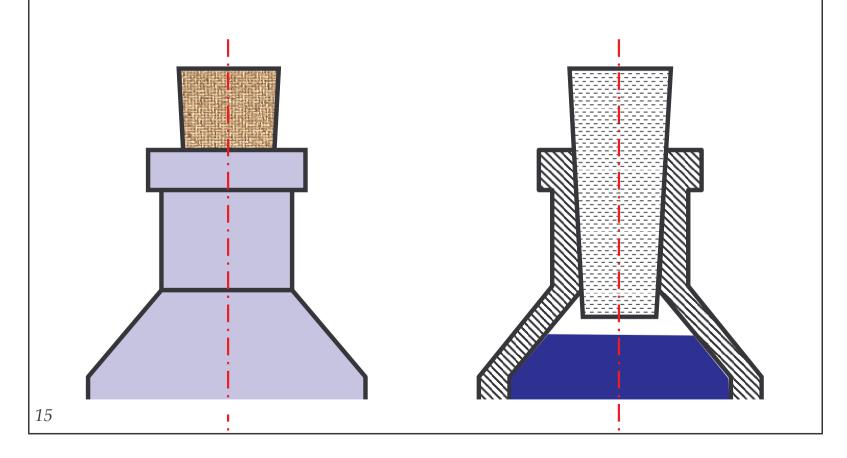




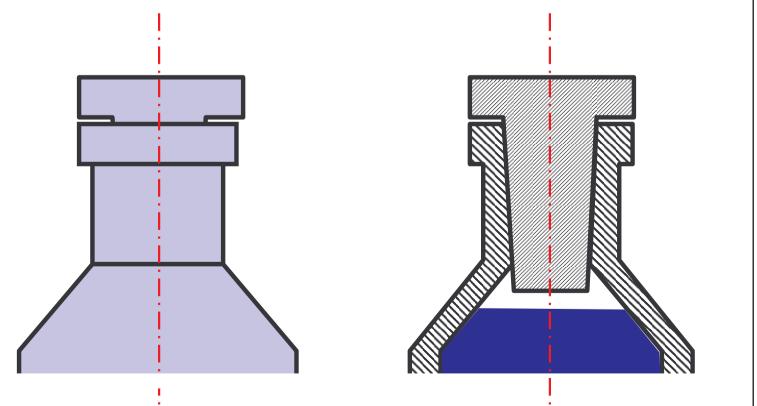
- Means of showing solid portions of object
 - Inclined lines of different line styles
 - Fills



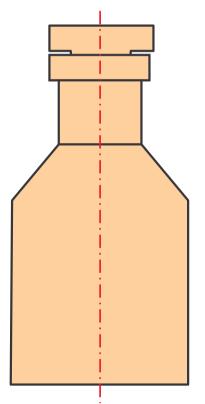
- Means of showing solid portions of object...
 - Different hatching for different components

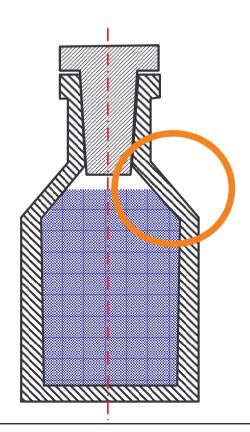


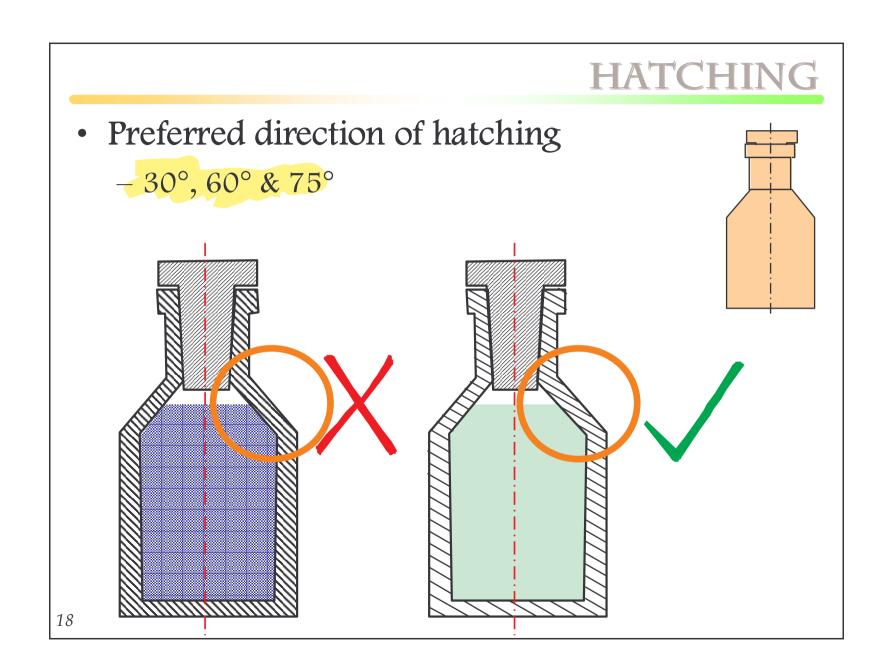
- Means of showing solid portions of object...
 - Different hatching for different components
 - Even if made of same material



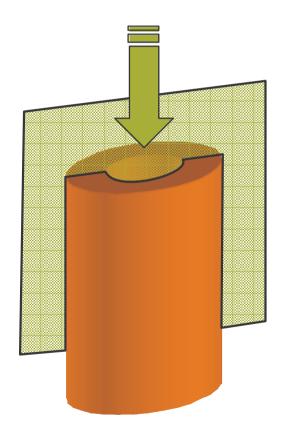
- Means of showing solid portions of object...
 - Different hatching for different components
 - Even if made of same material

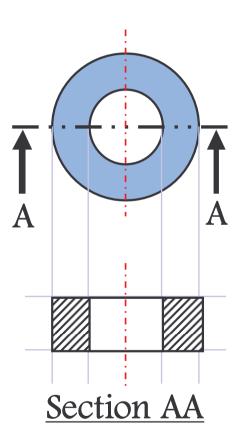






• Direction of hatching for the same object





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- Direction of hatching for the same object...
 - Same object; same direction of hatching

