

**WEEK: TWO AND THREE (2&3)**

**DATE:**

**CLASS: JSS 2**

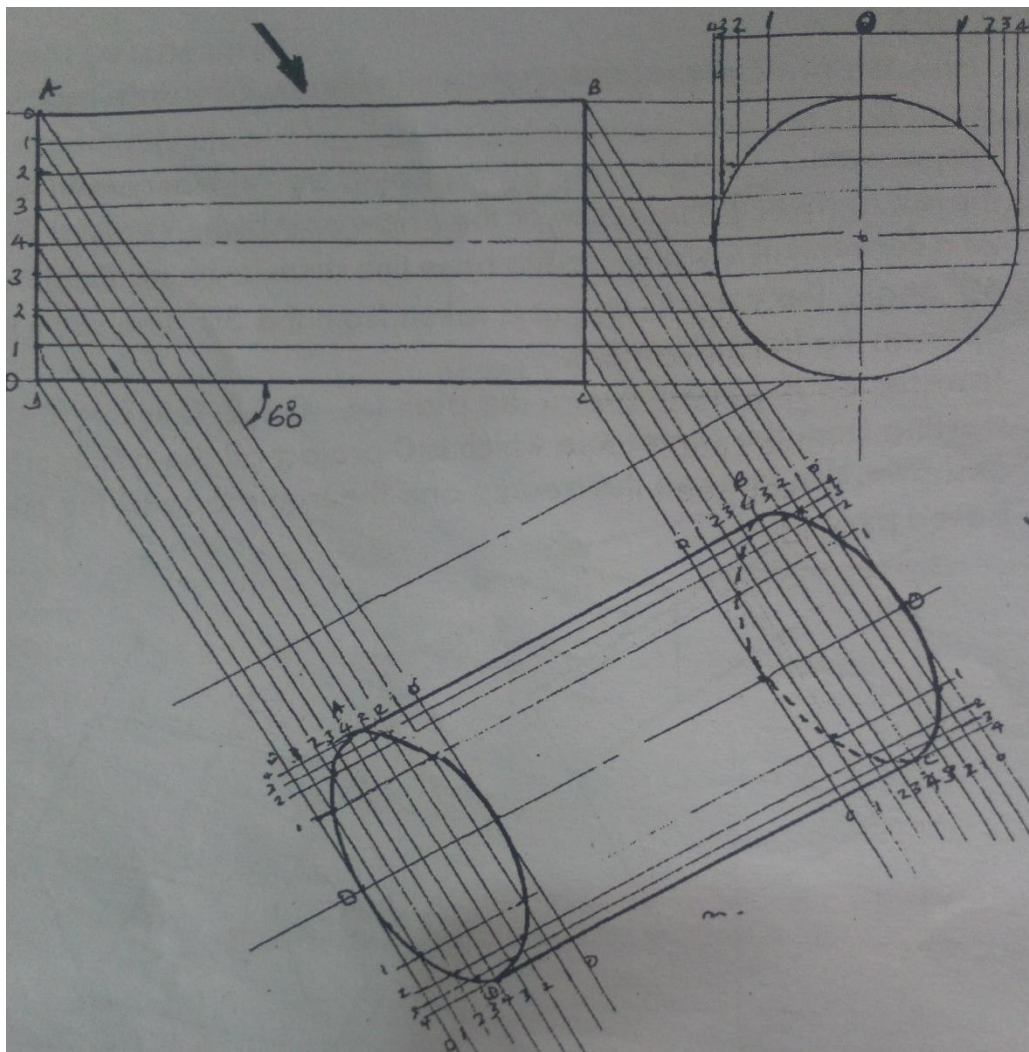
**TOPIC: AUXILIARY PROJECTION.**

### **AUXILIARY PROJECTION**

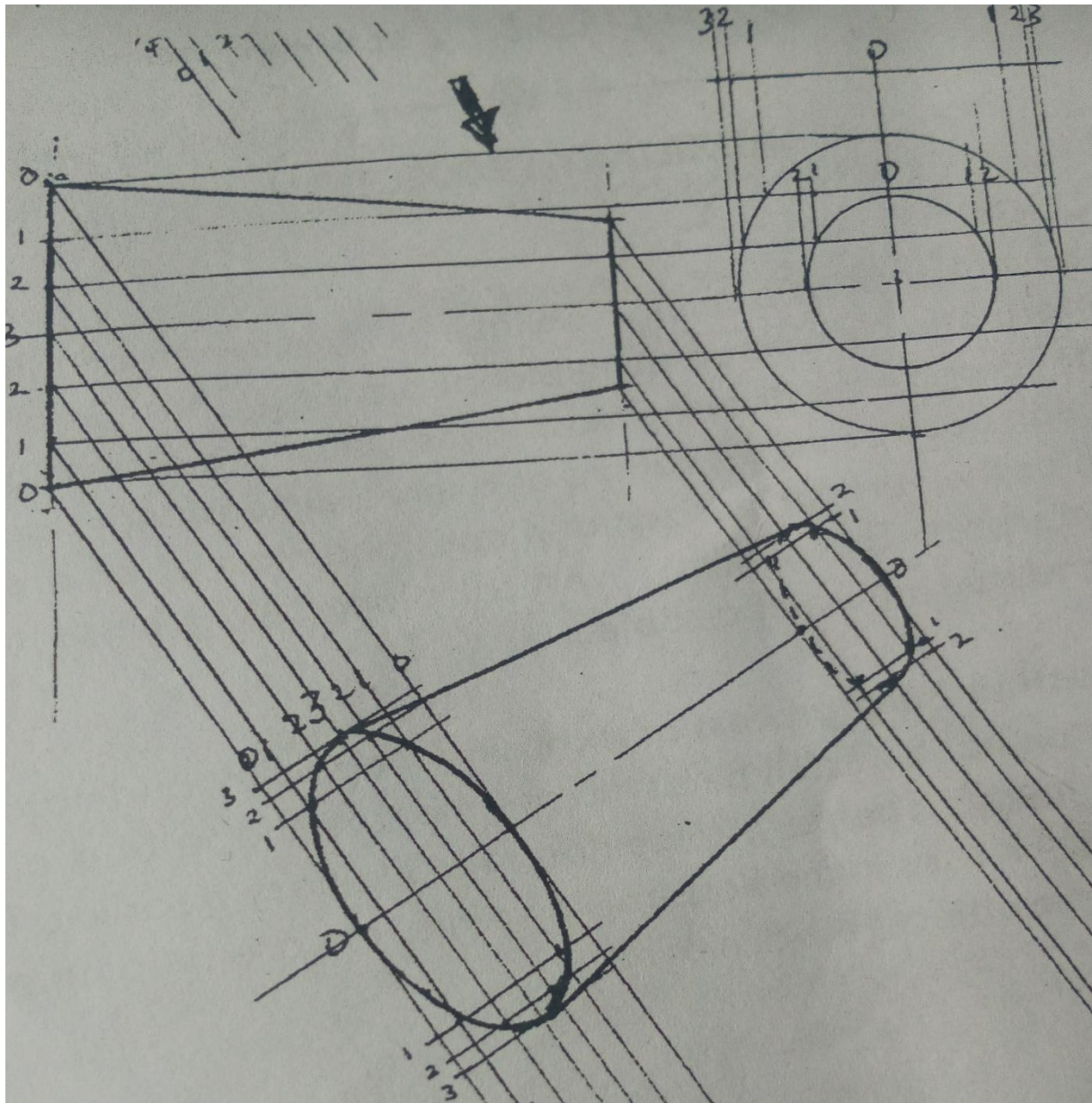
Pictorial drawings such as isometric, oblique or axonometric indicates all the necessary information in a three dimensional drawing. These information help to describe or interpret the drawing mostly when the three dimensions are to be shown. Although. Each of the elevations of a three dimensional figure is drawn in planes such as the vertical and horizontal planes, and most often, are difficult to describe or interpret. The auxiliary vertical plane (AVP) helps to show the actual shape and true nature of an object.

**Auxiliary projection** is the process of exposing the reality and natural setting of a three dimensional object. It helps to see the true shape of a given object hence, auxiliary (means a helper). Remember the auxiliary gear in four wheel drives, the auxiliary nurse in hospitals or clinics etc. are all helping mechanisms which ensure that an objective is achieved.

#### **Auxiliary projection of a right cylinder**



## Auxiliary projection of a tapered cone.



## ASSIGNMENT:

1. Construct the auxiliary view of a truncated cone.