ENGINEERING GRAPHICS

<u>UNIT-4</u>

ISOMETRIC VIEW/PROJECTIONS

INTRODUCTION

In Engineering drawing orthographic view shows only two dimensions of the object. From two dimensions it is difficult to understand the object. Few technically sound people can understand these drawings. Whereas, three dimensional view (Pictorial projections) can be easily understood by persons without any technical knowledge. The processes to convert two dimensional views in to the pictorial projection is known as Isometric drawing. Isometric drawing is a type of pictorial projection in which the three dimensions of the solids are not only shown in one view, but their actual shape and size can be measured directly from it.

Isometric Scale:



Isometric Circle:



(g)

(h)

Isometric Solid



13

Ex.1 Draw Isometric view for given RHSV and Front view



Ex.2 Draw Isometric Drawing for given FV and TV



Ex.3 Draw Isometric Projection for given views



Ex-4 Draw Isometric View for Shown Front view and Top view



Ex 5. Draw Isometric Drawing for given Front View and LHSV



Isometric View

Ex.2 Draw Isometric Drawing for given FV and TV

