



## **UNIT – II:**

**Projection of Points, Lines and Planes:** Projection of points in any quadrant, Lines inclined to one and both planes, Finding true lengths, Angle made by line. Projections of regular plane surfaces.

**(2L + 6P hrs)**

## **UNIT – III:**

**Projections of Solids:** Projections of regular solids inclined to one and both planes by rotational and auxiliary views method.

**Sections of Solids:** Section planes and sectional view of right regular solids – Prism, Cylinder, Pyramid and Cone. True shapes of the sections.

**(2L + 6P hrs)**

## **UNIT – V:**

**Development of Surfaces:** Development of surfaces of right regular solids – Prism, Cylinder, Pyramid, Cone and their sectional parts.

**(1L + 6P hrs)**

## **UNIT – V:**

**Orthographic Projections:** Systems of projections, Conventions and Application to Orthographic Projections.

**Isometric Projections:** Principles of Isometric Projection – Isometric scale, Isometric views – Lines, Planes, Figures, Simple and Compound Solids.

**(5L + 15P hrs)**

## **Text Books:**

1. K.L.Narayana & P.Kannaiah, Engineering Drawing, 3/e, Scitech Publishers, Chennai, 2012.
2. N.D.Bhatt, Engineering Drawing, 53/e, Charotar Publishers, 2016.

## **Reference Books:**

1. Dhanajay A Jolhe, Engineering Drawing, Tata McGraw-Hill, Copy Right, 2009.
2. Shah and Rana, Engineering Drawing, 2/e, Pearson Education, 2009.
3. Venugopal, Engineering Drawing and Graphics, 3/e, New Age Publishers, 2000.
4. K.C.John, Engineering Graphics, 2/e, PHI, 2013.
5. Basant Agarwal & C.M.Agarwal, Engineering Drawing, Tata McGraw-Hill, Copy Right, 2008.