



**Guru Nanak Dev University,
Punjab B.E./B.Tech CSE Sem 1
syllabus**

Engineering Graphics and Drafting

SECTION - A

1

Introduction: Instruments used, Lettering, Types of Lines used, Scales, Types of Projections in use, Dimensioning of Figures, etc.; Orthographic Projections of Points, Lines & Lamina
Lab Work: Introduction to AutoCAD, Practice of 2D commands, Exercises related to the theory contents of this section.

SECTION - B

2

Projection of Solids: Section of Solids & its Projections; Interpenetration of Solids & Curve of Interpenetration; Development of Surfaces.
Lab Work: Familiarity with 3D commands, Exercises related to the theory contents of this section.

SECTION - C

3

Isometric Drawing & Isometric Projection
Lab Work: Lab Exercises related to the theory contents of this section.

SECTION - D

Free-Hand sketching of Engineering Components, Advance 3D

Commands: Solving

Problems using AutoCAD.

Lab Work: Lab Exercises related to the theory contents of this section.

Suggested / Reference Books:

1 Engineering Drawing, N. D. Bhatt

2 Engineering Graphics with AutoCAD, James D. Bethune

3 Engineering Drawing & Graphics, K. Venugopal

4 Engineering Drawing PS Gill

Engineering Drawing Author: M. B. Shah & B. C. Rana

5 Engineering Drawing, M. B. Shah & B. C. Rana