



# ENGINEERING DRAWING

[ PLANE AND SOLID GEOMETRY ]



By  
N. D. Bhatt

**Edition** : 55<sup>th</sup> Edition : 2025 (Fifty Five)  
**ISBN** : 9789385039805  
**Binding** : Paperback  
**Pages** : 704 + 16 = 720  
**Size (mm)** : 235 × 30 × 170  
**Weight** : 990 g

**Best  
Seller**



₹ 600.00 **BUY**

## ABOUT THE BOOK

The book in its fifty-fifth edition provides all aspects and detailed study of Engineering Graphics or Engineering Drawing — Plane and Solid Geometry, a core subject for all branches of Engineering study, presented in a lucid manner and easy-to-follow style. The text-book follows the first-angle method of orthographic projection, however, the third-angle projection method has not been completely ignored. The entire book is printed in two colour which enhance the utility of the book.

The subject matter has been arranged in 26 chapters such as • Drawing Instruments and Their Uses • Sheet Layout and Free-Hand Sketching • Lines, Lettering and Dimensioning • Scales • Geometrical Construction • Curves Used in Engineering Practice • Loci of Points • Orthographic Projection • Projections of Points • Projections of Straight Lines • Projections on Auxiliary Planes • Projections of Planes • Projections of Solids • Sections of Solids • Development of Surfaces • Intersection of Surfaces • Isometric Projection • Oblique Projection • Perspective Projection • Orthographic Reading and Conversion of Views • Centres of Gravity and Moments of Inertia of Areas • Nomography • Screw Threads • Screwed Fastenings • Riveted Joints and Welded Joints • Computer Aided Drafting (CADr).

Chapter 26 on Computer Aided Drafting (CADr) is entirely rewritten with inclusion of 50 self-interactive and self-learning practice modules.

As a novel pedagogical concept, 51 audiovisual animation modules are presented through web-portal for better visualization and understanding of the subject.

The solutions to exercises of Chapter 17, Isometric Projection and Chapter 20 Conversion of Views are given in this edition.

The topics of the subject are covered in 26 well-arranged chapters — therein it now contains:

- \* 1617 Self-explanatory and neatly drawn diagrams
- \* 523 Worked examples (Problems)
- \* 900 Exercises at the end of chapters
- \* 34 Useful tables

The book covers the syllabi in Engineering Drawing or Engineering Graphics as a core subject for Degree Examinations of all the Indian Universities, Diploma Examinations conducted by various Boards of Technical Education, Certificate Courses, I.T.I. as well as for the A.M.I.E., U.P.S.C., G.A.T.E., I.E.S. and other similar competitive and professional examinations. It should also prove of interest to the practising professionals.

## CONTENT

- 1: DRAWING INSTRUMENTS AND THEIR USES
  - 2: SHEET LAYOUT AND FREE-HAND SKETCHING
  - 3: LINES, LETTERING AND DIMENSIONING
  - 4: SCALES
  - 5: GEOMETRICAL CONSTRUCTION
  - 6: CURVES USED IN ENGINEERING PRACTICE
  - 7: LOCI OF POINTS
  - 8: ORTHOGRAPHIC PROJECTION
  - 9: PROJECTIONS OF POINTS
  - 10: PROJECTIONS OF STRAIGHT LINES
  - 11: PROJECTIONS ON AUXILIARY PLANES
  - 12: PROJECTIONS OF PLANES
  - 13: PROJECTIONS OF SOLIDS
  - 14: SECTIONS OF SOLIDS
  - 15: DEVELOPMENT OF SURFACES
  - 16: INTERSECTION OF SURFACES
  - 17: ISOMETRIC PROJECTION
  - 18: OBLIQUE PROJECTION
  - 19: PERSPECTIVE PROJECTION
  - 20: ORTHOGRAPHIC READING AND CONVERSION OF VIEWS
  - 21: CENTRES OF GRAVITY AND MOMENTS OF INERTIA OF AREAS
  - 22: NOMOGRAPHY
  - 23: SCREW THREADS
  - 24: SCREWED FASTENINGS
  - 25: RIVETED JOINTS AND WELDED JOINTS
  - 26: COMPUTER AIDED DRAFTING (CADR)
- INDEX

**Includes:** WITH 51 AUDIOVISUAL ANIMATION MODULES

**Includes:** CHAPTER: COMPUTER AIDED DRAFTING WITH 50 SELF-INTERACTIVE AND SELF-LEARNING PRACTICE MODULES

**Catalogue Checklist**

**ENGINEERING DRAWING**  
**DETAILED CONTENTS**

**Chapter 1 DRAWING INSTRUMENTS AND THEIR USES**

- 1-1. Introduction
- 1-2. Drawing board
- 1-3. T-square
- 1-4. Set-squares
- 1-5. Drawing instrument box
  - (1) Large-size compass with inter change eable pencil and pen legs
  - (2) Lengthening bar
  - (3) Small bow compass
  - (4) Large-size divider
  - (5) Small bow divider
  - (6) Small bow ink-pen
  - (7) Inking pen
- 1-6. Scales
- 1-7. Protractor
- 1-8. French curves
- 1-9. Drawing papers
- 1-10. Drawing pencils
- 1-11. Eraser (Rubber)
- 1-12. Drawing pins, Clips or adhesive tapes
- 1-13. Sand-paper block
- 1-14. Duster
- 1-15. Drafting machine
- 1-16. Roll-N-Draw
- 1-17. General suggestions for drawing a sheet
  - (1) Cleaning the instruments
  - (2) Pinning the paper to the drawing board
  - (3) Border lines
  - (4) Spacing of drawings
- Exercises I

**Chapter 2 SHEET LAYOUT AND FREE-HAND SKETCHING**

- 2-1. Sheet layout
  - (1) Sheet sizes
  - (2) Margin
  - (3) Border lines
  - (4) Borders & frames
  - (5) Orientation mark
  - (6) Grid reference system
  - (7) Title block
  - (8) List of parts or the bill of materials
  - (9) Revisions of drawing
  - (10) Folding marks
  - (11) Scales and scale drawing
- 2-2. Types of machine drawings
  - (1) Production drawing
  - (2) Exploded assembly drawing
  - (3) Schematic assembly drawing
  - (4) Drawing for instruction manual
  - (5) Drawing for installation
  - (6) Drawing for catalogue
  - (7) Tabular drawing
  - (8) Patent drawing
- 2-3. Free-hand Sketching
  - (1) Sketching or freehand
  - (2) Sketching materials
  - (3) To sketch straight lines
  - (4) To sketch circles and arcs
  - (5) Sketching procedure
  - (6) Steps in sketching
- Exercises II

**Chapter 3 LINES, LETTERING AND DIMENSIONING**

- 3-0. Introduction
- 3-1. Lines
  - (1) Line thickness
  - (2) Inked drawings
  - (3) Pencil drawings
- 3-1-1. Types of Lines
  - (1) Outlines
  - (2) Margin lines
  - (3) Dimension lines
  - (4) Extension or projection lines
  - (5) Construction lines
  - (6) Hatching or section lines
  - (7) Leader or pointer lines
  - (8) Border lines
  - (9) Short-break lines
  - (10) Long-break lines
  - (11) Hidden or dotted lines
  - (12) Centre lines
  - (13) Cutting-plane lines
  - (14) Chain thick
  - (15) Chain thick double-dots
- 3-2. Lettering
  - (1) Single-stroke letters
  - (2) Gothic letters
- 3-3. Dimensioning
- 3-4. Dimensioning terms and notations
  - (1) Dimension line
  - (2) Extension line
  - (3) Arrowhead
  - (4) Leader
- 3-5. Placing of dimensions
  - (1) Aligned system
  - (2) Unidirectional system
- 3-6. Unit of dimensioning
- 3-7. General rules for dimensioning
- 3-8. Practical hints on dimensioning
- Exercises III

**Chapter 4 SCALES**

- 4-1. Introduction
- 4-2. Scales
  - (1) Engineer's
  - (2) Graphical scale
  - (3) Representative fraction
- 4-3. Scales on drawings
- 4-4. Types of scales
  - (1) Plain scales
  - (2) Diagonal scales
  - (3) Comparative scales
  - (4) Vernier scales
  - (5) Scale of chords
- Exercises IV

**Chapter 5 GEOMETRICAL CONSTRUCTION**

- 5-0. Introduction
- 5-1. Bisecting a line
- 5-2. To draw perpendiculars
- 5-3. To draw parallel lines
- 5-4. To divide a line
- 5-5. To divide a circle
- 5-6. To bisect an angle
- 5-7. To trisect an angle
- 5-8. To find the centre of an arc
- 5-9. To construct an ogee or reverse curve
- 5-10. To construct equilateral triangles

**ENGINEERING DRAWING**  
**DETAILED CONTENTS**

- 5-11. To construct squares
  - 5-12. To construct regular polygons
  - 5-13. Special methods of drawing regular polygons
  - 5-14. Regular polygons inscribed in circles
  - 5-15. To draw regular figures using T-square and set-squares
  - 5-16. To draw tangents
  - 5-17. Lengths of arcs
  - 5-18. Circles and lines in contact
  - 5-19. Inscribed circles
- Exercises V

**Chapter 6 CURVES USED IN ENGINEERING PRACTICE**

- 6-0. Introduction
  - 6-1. Conic sections
    - 6-1-1. Ellipse
    - 6-1-2. Parabola
    - 6-1-3. Hyperbola
    - 6-1-4. Tangents and normals to conics
  - 6-2. Cycloidal curves
    - 6-2-1. Cycloid
    - 6-2-2. Trochoid
    - 6-2-3. Epicycloid and hypocycloid
    - 6-2-4. Epitrochoid
    - 6-2-5. Hypotrochoid
  - 6-3. Involute
  - 6-4. Evolutes
  - 6-5. Spirals
    - 6-5-1. Archimedean spiral
    - 6-5-2. Logarithmic or equiangular spiral
  - 6-6. Helix
    - 6-6-1. A method of drawing a helical curve
    - 6-6-2. Helical springs
    - 6-6-3. Screw threads
    - 6-6-4. Helix upon a cone
  - 6-7. Cam
- Exercises VI

**Chapter 7 LOCI OF POINTS**

- 7-0. Introduction
  - 7-1. Loci of points
  - 7-2. Simple mechanisms
    - 7-2-1. The slider crank mechanism
      - (1) Simple slider crank mechanism
      - (2) Offset slider crank mechanism
    - 7-2-2. A four-bar mechanism
- Exercises VII

**Chapter 8 ORTHOGRAPHIC PROJECTION**

- 8-0. Introduction
  - 8-1. Principle of projection
  - 8-2. Methods of projection
  - 8-3. Orthographic projection
  - 8-4. Planes of projection
  - 8-5. Four quadrants
  - 8-6. First-angle projection
  - 8-7. Third-angle projection
  - 8-8. Reference line
  - 8-9. B.I.S. code of practice
  - 8-10. Typical Problems
- Exercises VIII

**Chapter 9 PROJECTIONS OF POINTS**

- 9-0. Introduction
- 9-1. A point is situated in the first quadrant
- 9-2. A point is situated in the second quadrant
- 9-3. A point is situated in the third quadrant

- 9-4. A point is situated in the fourth quadrant
  - 9-5. General conclusions
- Exercises IX

**Chapter 10 PROJECTIONS OF STRAIGHT LINES**

- 10-0. Introduction
  - 10-1. Line parallel to one or both the planes
  - 10-2. Line contained by one or both the planes
  - 10-3. Line perpendicular to one of the planes
  - 10-4. Line inclined to one plane and parallel to the other
- Exercises X(a)
- 10-5. Line inclined to both the planes
  - 10-6. Projections of lines inclined to both the planes
  - 10-7. Line contained by a plane perpendicular to both the reference planes
  - 10-8. True length of a straight line and its inclinations with the reference planes
  - 10-9. Traces of a line
  - 10-10. Methods of determining traces of a line
  - 10-11. Traces of a line, the projections of which are perpendicular to xy
  - 10-12. Positions of traces of a line
  - 10-13. Additional illustrative problems
- Exercises X(b)

**Chapter 11 PROJECTIONS ON AUXILIARY PLANES**

- 11-0. Introduction
  - 11-1. Types of auxiliary planes and views
  - 11-2. Projection of a point on an auxiliary plane
  - 11-3. Projections of lines and planes by the use of auxiliary planes
  - 11-4. To determine true length of a line
  - 11-5. To obtain point-view of a line and edge-view of a plane
  - 11-6. To determine true shape of a plane figure
- Exercises XI

**Chapter 12 PROJECTIONS OF PLANES**

- 12-0. Introduction
  - 12-1. Types of planes
    - (1) Perpendicular planes
    - (2) Oblique planes
  - 12-2. Traces of planes
  - 12-3. General conclusions
    - (1) Traces
    - (2) Projections
  - 12-4. Projections of planes parallel to one of the reference planes
    - (1) When the plane is parallel to the H.P.
    - (2) When the plane is parallel to the V.P.
  - 12-5. Projections of planes inclined to one reference plane and perpendicular to the other
    - (1) Plane, inclined to the H.P. and perpendicular to the V.P.
    - (2) Plane, inclined to the V.P. & perpendicular to the H.P.
  - 12-6. Projections of oblique planes
- Exercises XII

**Chapter 13 PROJECTIONS OF SOLIDS**

- 13-0. Introduction
  - 13-1. Types of solids
    - (1) Polyhedra
    - (2) Solids of revolution
  - 13-2. Projections of solids in simple positions
- Exercises XIII(i)
- 13-3. Projections of solids with axes inclined to one of the reference planes and parallel to the other
    - 13-3-1. Axis inclined to the V.P. and parallel to the H.P.
    - 13-3-2. Axis inclined to the H.P. and parallel to the V.P.
  - 13-4. Projections of solids with axes inclined to both the H.P. and the V.P.
  - 13-5. Projections of spheres
    - (1) Spheres in contact with each other
    - (2) Unequal spheres
- Exercises XIII(ii)

**ENGINEERING DRAWING**  
**DETAILED CONTENTS**

**Chapter 14 SECTIONS OF SOLIDS**

- 14-0. Introduction
  - (1) Section planes
  - (2) Sections
  - (3) True shape of a section
- 14-1. Sections of prisms
  - (1) Section plane parallel to the V.P.
  - (2) Section plane parallel to the H.P.
  - (3) Section plane perpendicular to the H.P. and inclined to the V.P.
  - (4) Section plane perpendicular to the V.P. and inclined to the H.P.
- 14-2. Sections of pyramids
  - (1) Section plane parallel to the base of the pyramid
  - (2) Section plane parallel to the V.P.
  - (3) Section plane perpendicular to the V.P. and inclined to the H.P.
  - (4) Section plane perpendicular to the H.P. and inclined to the V.P.
- 14-3. Sections of cylinders
  - (1) Section plane parallel to the base
  - (2) Section plane parallel to the axis
  - (3) Section plane inclined to the base
- 14-4. Sections of cones
  - (1) Section plane parallel to the base of the cone
  - (2) Section plane passing through the apex of the cone
  - (3) Section plane inclined to the base of the cone at an angle smaller than the angle of inclination of the generators with the base
  - (4) Section plane parallel to a generator of the cone
  - (5) Section plane inclined to the base of the cone at an angle greater than the angle of inclination of the generators with the base
- 14-5. Sections of spheres
  - (1) Section plane parallel to the H.P.
  - (2) Section plane parallel to the V.P.
  - (3) Section plane perpendicular to the V.P. and inclined to the H.P.
  - (4) Section plane perpendicular to the H.P. and inclined to the V.P.
- 14-6. Typical Problems of Sections of Solids  
Exercises XIV

**Chapter 15 DEVELOPMENT OF SURFACES**

- 15-0. Introduction
- 15-1. Methods of development
  - (1) Parallel-line development
  - (2) Radial-line development
  - (3) Triangulation development
  - (4) Approximate method
- 15-2. Developments of lateral surfaces of right solids
  - 15-2-1. Cube
  - 15-2-2. Prisms
  - 15-2-3. Cylinders
  - 15-2-4. Pyramids
  - 15-2-5. Cone
- 15-3. Development of transition pieces
- 15-4. Spheres  
Exercises XV

**Chapter 16 INTERSECTION OF SURFACES**

- 16-0. Introduction
- 16-1. Line of intersection
- 16-2. Methods of determining the line of intersection between surfaces of two interpenetrating solids
  - (1) Line method
  - (2) Cutting-plane method
- 16-3. Intersection of two prisms

- 16-4. Intersection of cylinder and cylinder
- 16-5. Intersection of cylinder & prism
- 16-6. Intersection of cone & cylinder
- 16-7. Intersection of cone & prism
- 16-8. Intersection of cone and cone
- 16-9. Intersection of sphere and cylinder or prism  
Exercises XVI

**Chapter 17 ISOMETRIC PROJECTION**

- 17-1. Introduction
- 17-2. Isometric axes, lines & planes
- 17-3. Isometric scale
- 17-4. Isometric drawing or isometric view
- 17-5. Isometric graph
- 17-6. Illustrative problems
  - 17-6-1. Isometric drawing of planes or plane figures
  - 17-6-2. Isometric drawing of prisms and pyramids
  - 17-6-3. Isometric drawing of cylinders
  - 17-6-4. Isometric drawing of cones
  - 17-6-5. Isometric drawing of sphere
- 17-7. Typical problems of isometric drawing  
Exercises XVII  
Solutions to Exercises XVII

**Chapter 18 OBLIQUE PROJECTION**

- 18-1. Introduction
- 18-2. Principle of the oblique projection
- 18-3. The oblique projection and the isometric projection
- 18-4. Receding lines & receding angles
- 18-5. Types of the oblique projection
- 18-6. Rules for the choice of position of an object
- 18-7. Steps for drawing the oblique projection
- 18-8. Oblique drawing of pyramid
- 18-9. Oblique drawing of circle
  - (1) Offset method
  - (2) Four centre approximate method
- 18-10. Oblique drawing of cylinder
- 18-11. Oblique drawing of prism
- 18-12. Typical problems of oblique projection  
Exercises XVIII

**Chapter 19 PERSPECTIVE PROJECTION**

- 19-1. Introduction
- 19-2. Principle of perspective projection
- 19-3. Definitions of perspective elements
  - (1) Ground plane
  - (2) Station point
  - (3) Picture plane
  - (4) Horizontal plane
  - (5) Auxiliary ground plane
  - (6) Ground line
  - (7) Horizon line
  - (8) Perpendicular axis
  - (9) Centre of vision
  - (10) Central plane
- 19-4. Station point
- 19-5. Angle of vision
- 19-6. Picture plane
- 19-7. Methods of drawing perspective view
  - 19-7-1. Visual-ray method
  - 19-7-2. Vanishing-point method
- 19-8. Types of perspective
  - (1) Parallel perspective or one point perspective
  - (2) Angular perspective or two point perspective
  - (3) Oblique perspective or three point perspective
- 19-9. Distance points
- 19-10. Measuring line or line of heights
- 19-11. Perspectives of circles & solids

**ENGINEERING DRAWING**  
**DETAILED CONTENTS**

- 19-12. Typical problems of perspective projection  
(1) Visual-ray method – by means of the top view and the front view  
(2) Visual-ray method – by means of the top view and the side view  
(3) Vanishing-point method  
Exercises XIX

**Chapter 20 ORTHOGRAPHIC READING AND CONVERSION OF VIEWS**

- 20-1. Introduction  
20-2. Reading of orthographic views (Blue-print reading)  
20-3. Missing lines and missing views  
20-4. Identification of planes  
20-5. Conversion of pictorial views into orthographic views  
20-6. Orthographic projection  
20-7. Procedure for preparing a scale-drawing  
20-8. Illustrative problems  
Exercises XX

**Chapter 21 CENTRES OF GRAVITY AND MOMENTS OF INERTIA OF AREAS**

- 21-0. Introduction  
21-1. Centre of gravity  
21-1-1. Centres of gravity of symmetrical areas  
21-1-2. Centres of gravity of unsymmetrical areas  
21-1-3. Illustrative problems on centre of gravity  
21-2. Moments of inertia of areas  
(1) Definition, (2) Unit  
(3) Graphical method  
21-3. Illustrative problems on moments of inertia  
Exercises XXI

**Chapter 22 NOMOGRAPHY**

- 22-0. Introduction  
22-1. Types of nomographs  
22-2. Definitions of various terms  
22-3. Principle of construction of nomographs of three variables  
22-4. Method of constructing parallel scale nomographs  
22-5. Layout of nomographs  
22-6. Z-type nomographs  
Exercises XXII

**Chapter 23 SCREW THREADS**

- 23-0. Introduction  
23-1. Definitions  
(1) Crest, (2) Root, (3) Flank, (4) Angle  
(5) Depth, (6) Nominal diameter  
(7) Outside or major diameter  
(8) Core or minor diameter  
(9) Effective diameter  
(10) Pitch, (11) Lead, (12) Slope  
23-2. Forms of screw threads  
23-2-1. Triangular or V threads  
(1) Unified thread  
(2) Metric thread  
(3) Whitworth thread  
(4) British Standard Fine and British Standard Pipe threads  
(5) Sellers thread  
(6) British Association thread  
23-2-2. Square thread  
(1) Acme thread  
(2) Knuckle thread  
(3) Buttress thread  
23-3. Conventional representation of threads SP: 46-2003  
23-4. Multiple-start threads  
23-5. Right-hand & left-hand threads  
Exercises XXIII

**Chapter 24 SCREWED FASTENINGS**

- 24-0. Introduction  
24-1. Types of nuts  
24-1-1. Hexagonal nut  
24-1-2. Square nut  
24-2. Types of nuts for special purpose  
(1) Flanged nut  
(2) Cap nut  
(3) Dome nut  
(4) Cylindrical or capstan nut  
(5) Ring nut  
(6) Wing nut  
24-3. Washers  
24-4. Bolts  
24-5. Forms of bolts  
(1) Hexagonal-headed bolt  
(2) Square-headed bolt  
(3) Cylindrical or cheese-headed bolt  
(4) Cup-headed or round-headed bolt  
(5) T-headed bolt  
(6) Countersunk-headed bolt  
(7) Hook bolt  
(8) Headless tapered bolt  
(9) Eye-bolt  
(10) Lifting eye-bolt  
(11) Tap-bolt or cap-screw  
(12) Stud-bolt or stud  
24-6. Set-screws  
24-7. Locking arrangements for nuts  
(1) Lock-nut or check-nut  
(2) Split-pin  
(3) Slotted nut  
(4) Castle nut  
(5) Sawn nut or Wiles nut  
(6) Simmond's lock-nut  
(7) Penn. ring or grooved nut  
(8) Stop-plate or locking-plate  
(9) Spring-washer  
24-8. Foundation bolts  
(1) Eye or Hoop bolt  
(2) Rag bolt  
(3) Lewis bolt  
(4) Cotter bolt  
(5) Curved or bent bolt  
(6) Squar-headed bolt  
24-9. Spanner  
24-10. Longitudinal or bar stay  
24-11. Conventional symbols for nuts and bolts  
Exercises XXIV

**Chapter 25 RIVETED JOINTS AND WELDED JOINTS**

- 25-1. Introduction  
25-2. Riveting  
25-2-1. Caulking and fullering  
25-3. Forms and proportions of rivet-heads  
25-4. Failure of riveted joints  
25-5. Dimensions of a riveted joint  
25-6. Types of riveted joints  
25-6-1. Lap joint  
25-6-2. Butt joint  
25-7. Rolled-steel sections  
25-7-1. Connection of plates at right angles  
25-7-2. Gusset stay  
25-8. Welded joints

**ENGINEERING DRAWING**  
**DETAILED CONTENTS**

- 25-8-1. Welding
  - 25-8-2. Types of welding process
  - 25-8-3. Types of welded and welds joints
    - (1) Types of welded joints
    - (2) Types of welds
  - 25-8-4. Representation of welded joints
- Exercises XXV

**Chapter 26 COMPUTER AIDED DRAFTING (CADR)**

- 26-1. Introduction
- 26-2. Computer Aided Drafting
- 26-3. Computer
  - 26-3-1. Processor (CPU)
  - 26-3-2. Display
  - 26-3-3. INPUT Devices
  - 26-3-4. Graphic Output Devices
- 26-4. CAD Software
- 26-5. AutoCAD

- 26-5-1. Hardware required for autocad 2009/2010
  - 26-5-2. Classic screen layout of autocad 2010
  - 26-5-3. Function keys
  - 26-5-4. Drawing Entities
  - 26-5-5. Drafting Aids
  - 26-5-6. Editing of a Drawing
  - 26-6. Symbol Library
  - 26-7. Two dimensional drawings
  - 26-8. Isometric drawings
  - 26-9. 3D Geometrical Modeling
    - 26-9-1. 3D Wireframe Modelling
    - 26-9-2. 3D Surface Modelling
    - 26-9-3. 3D Solid Modelling
    - 26-9-4. Commands To Generate Profile Based 3D Solids
  - 26-10. Three Dimensional Drawings
  - 26-11. Perspective View In Autocad
- Exercises XXVI

**Index**

