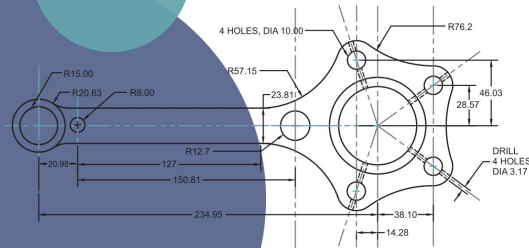


AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education

National Education Policy 2020

ENGINEERING GRAPHICS



Sharad K. Pradhan
K. K. Jain

Engineering Graphics (English)

Author : Sharad K. Pradhan

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Product Description

“ Engineering Graphics” is a compulsory paper for the first year Diploma course in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education.

Book covers six topics- Basic Elements of drawing , Orthographic Projections, Isometric Projections, Free Hand Sketcher of Engineering Elements, Computer Aided Drafting Interface, Computer Aided Drafting. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student’s comprehension.

Some salient features of the book

| Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.

| In start of each unit learning outcomes are listed to make the student understand what is expected out of him/ her after completing that unit.

| Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc.

| Student and teacher centric subject materials included in book with balanced and chronological manner.

| Figures, tables and software screen shots are inserted to improve clarity of the topics.

| Apart from essential information a ‘Know

Table of Contents

Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and Symbols, List of Figures, List of tables Guidelines for Teachers, Guidelines for Students

UNIT 1: Basic Elements of Drawing

UNIT 2: Orthographic Projections

UNIT 3: Isometric Projections

UNIT 4: Free Hand Sketches of Engineering Elements

UNIT 5: Computer Aided Drafting Interface

UNIT 6: Computer Aided Drafting

Author

Sharad K. Pradhan Sharad K. Pradhan </p>



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320