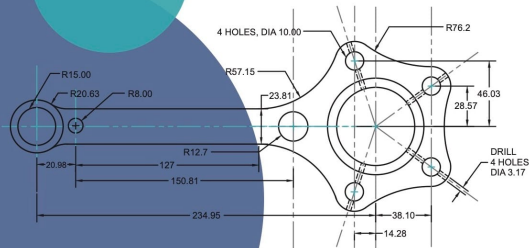


AICTE अनुशंसित पाठ्यपुस्तक - मॉडल पाठ्यक्रम के अनुसार

परिणाम आधारित शिक्षा के साथ संरेखित

राष्ट्रीय शिक्षा नीति 2020

इंजीनियरिंग ग्राफिक्स



शरद कुमार प्रधान
के. के. जैन

Engineering Graphics

Author :	K. K. Jain
ISBN 13 :	978-93-55381-89-7
ISBN 10 :	93-55381-89-1
E-ISBN 13 :	978-93-55381-89-7
Edition :	First
Pages :	276
Type of book :	Paperback
Weight (g) :	400.00
Year :	2023
Language :	Hindi
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks , Ebooks , Hindi Books
Condition Type :	New
Country Origin :	India

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: 1. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes. 2. 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. 3. Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc. 4. Student and teacher centric subject materials included in book with balanced and chronological manner. 5. Figures, tables and software screen shots are inserted to improve clarity of the topics. 6. Apart from essential information a ‘Know More’ section is also provided in each unit to extend the learning beyond syllabus. 7. Short questions, objective questions and long answer exercises are given for practice of students after every chapter. 8. Solved and unsolved problems including numerical examples are solved with systematic steps.

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.

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