



Engineering Graphics

Author :	Sharad K. Pradhan, K. K. Jain
ISBN 13 :	978-93-55380-00-5
ISBN 10 :	9355380003
E-ISBN 13 :	978-93-55380-00-5
Edition :	1
Pages :	328
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Kannada Books, Book Store, Ebooks
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
- Basic Elements of Drawing
- Orthographic Projections
- Isometric Projections
- Free Hand Sketches of Engineering Elements
- Computer Aided Drafting Interface
- Computer Aided Drafting

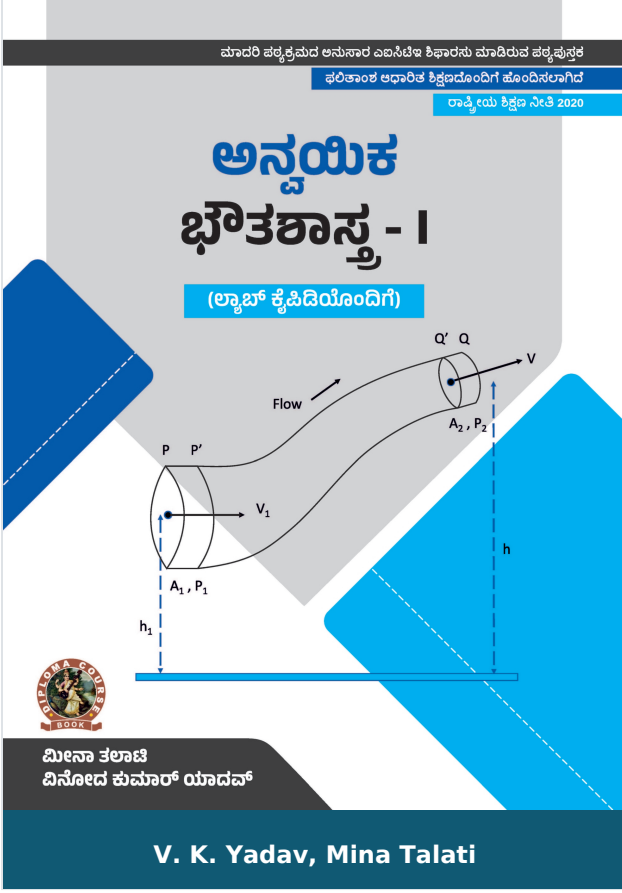
Author

Sharad K. Pradhan

Sharad K. Pradhan

K. K. Jain

K. K. Jain



Applied Physics-I (with Lab Manual)

Author : V. K. Yadav, Mina Talati

ISBN 13 : 978-93-91505-85-1

ISBN 10 : 9391505856

E-ISBN 13 : 978-93-91505-85-1

Edition : 1

Pages : 252

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [AICTE Prescribed Textbooks,](#)
[Kannada Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

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

Book covers six topics- Physical World, Units and Measurements; Force and Motion; Work, Power and Energy; Rotational Motion; Properties of Matter; Heat and Thermometry. 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 Outcome, Programs Outcomes and Unit Outcomes.
2. Book provides lots of interested facts, QR Code for E-resources, QR Code for use of ICT etc.
3. Students and teacher centric subject materials are included in book with balanced and chronological manner.
4. Figures and tables are inserted to improve clarity of the topics.
5. Short questions, objective questions and long answer exercises of different difficulty levels are given for practice after every chapter.
6. Solved numerical examples are provided with systematic steps in each chapter followed by numerical exercises with hints.

Table Of Contents

- Physical World, Units and Measurements
- Force and Motion
- Work, Power and energy
- Rotational Motion
- Properties of Matter
- heat and Thermometry
- Annexes
- Appendices
- Index

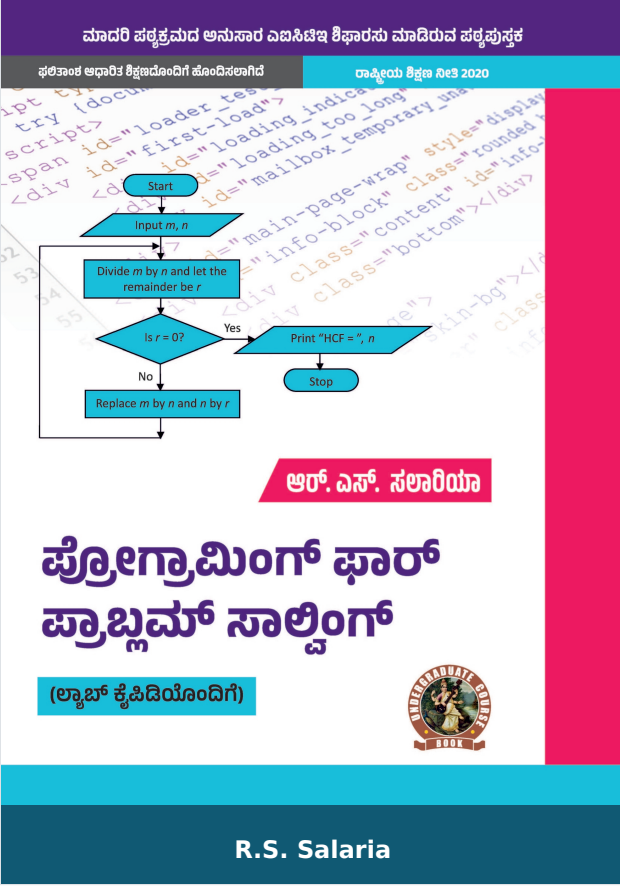
Author

V. K. Yadav

V. K. Yadav

Mina Talati

Mina Talati



Programming for Problem Solving

Author :	R.S. Salaria
ISBN 13 :	978-93-91505-54-7
ISBN 10 :	9391505546
E-ISBN 13 :	978-93-91505-54-7
Edition :	1
Pages :	404
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Kannada Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

This textbook is designed as per the model curriculum of AICTE for the first year students of all branches of undergraduate programme in Engineering & Technology (BE/B.Tech).

The subject of programming for problem Solving aims at developing problem solving skills among the students and the skills to create programs in C language for their implementation.

This book emphasizes to empower the students to grasp the skills required for problem solving and to develop deep understanding of the constructs of C language. These aspects of the subject are well illustrated through enormous solved programming problems.

Salient Features:

1. Simple and lucid language that enables students to grasp the subject.
2. Demonstrates the elegant programming style.
3. 165+ ready to run programs for reference and to illustrate the program development process.
4. 135+ Short answer type questions to provide an opportunity for self-assessment of the fundamental concepts learned by answering them precisely.
5. 165+ multiple choice questions to provide an opportunity to synthesize the fundamental concepts.
6. 90+ Programming problems to provide an opportunity to harness programming skills.

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Programme Outcome (POs)
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Guidelines for Teacher
- Guidelines for Students
- Introduction to Programming
- Arithmetic Expressions and Precedence
- Conditional Branching and Loops
- Arrays
- Basic Algorithms
- Functions
- Recursion
- Structures
- Pointers
- File Handling
- References for further learning
- Co and PO attainment Table

- Index

Author

R.S. Salaria

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>



Engineering Mechanics | AICTE Prescribed Textbook

Author : B. B. Gokaldas

ISBN 13 : 978-93-55380-14-2

ISBN 10 : 9355380143

E-ISBN 13 : 978-93-55380-14-2

Edition : 1

Pages : 224

Type of book : Physical

Year : 2025

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 295.00

Categories : [AICTE Prescribed Textbooks,](#)
[Kannada Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

“Engineering Mechanics with Lab Manual” is a compulsory for the first year Diploma course in Engineering 7 Technology. Syllabus of this book is strictly align as per model curriculum of AICTE and academic content is amalgamate with the concept of Outcome based Education (OBE).

Book covers is five units- Basic mechanics & force system, Equilibrium, Friction, Centroid and Centre of gravity & simple lifting machine. Each unit written in every easy, systematic and orderly manner. Each unit contains a set of exercise at the end of each unit to test the student’s comprehension. Also in each unit the laboratory practical pertaining to unit is included.

Some salient features of the book:

1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
3. Student and teacher centric subject materials included in book with balanced and chronological manner.
4. Figures, tables, equations and activities are insert to improve clarity of the topics.
5. Objective questions, Short questions and long answer exercise given for practice of students after every unit.
6. Solved and unsolved problems including numerical examples taken with systematic steps.

Table Of Contents

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students,
- Basic of Mechanics and Force System.
- Equilibrium.
- Friction.
- Centroid and Centre of Gravity.
- Centroid and Centre of Gravity.
- Appendix.
- Index

Author

B. B. Gokaldas

B. B. Gokaldas B. G. Gokaldas



Mathematics-II

Author : Garima Singh

ISBN 13 : 978-93-55380-06-7

ISBN 10 : 9355380062

E-ISBN 13 : 978-93-55380-06-7

Edition : 1

Pages : 196

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [AICTE Prescribed Textbooks,](#)
[Kannada Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

“Mathematics-II” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations.

Book covers seven topics- Determinants, Matrices, Integral Calculus and it's applications. Co-ordinate Geometry and it's applications, vectors and it's applications, Differential equations. Basic of MATLAB.

Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student's comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.
2. Objective questions and subjective questions are given for practice of students after every unit.
3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and uni Outcomes.
4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.
5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

6. Student and teacher centric subject materials are included in the book in a balanced manner.
7. Real life applications are inserted to improve clarity of this topics.
8. Know more section has been introduced which constitutes of additional information related to the topic.
9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.
10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .
11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

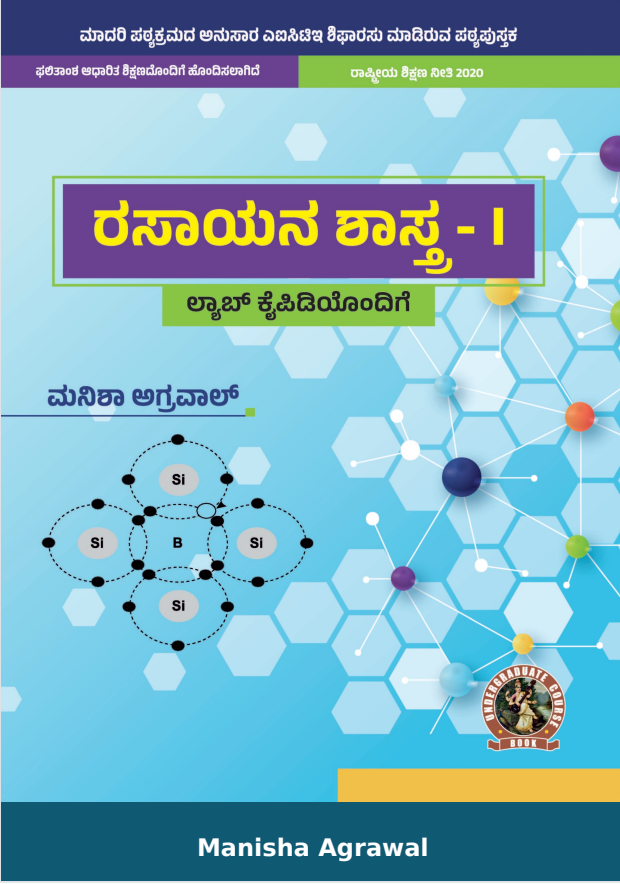
Table Of Contents

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students
- Determinants and Matrices
- Integral Calculus
- Co-ordinate Geometry
- Vector Algebra
- Differential Equations
- Appendices & Annexures

Author

Garima Singh

Garima Singh



Chemistry I (with Lab Manual)

Author : Manisha Agrawal

ISBN 13 : 978-93-91505-46-2

ISBN 10 : 9391505465

E-ISBN 13 : 978-93-91505-46-2

Edition : 1

Pages : 268

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [AICTE Prescribed Textbooks,](#)
[Kannada Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

“Chemistry-I” is a compulsory paper for the first year Undergraduate 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 seven topics-Atomic and molecular structure, Spectroscopic Technique and applications, Inter-molecular Forces and Potential Energy Surfaces, Use of Free Energy in Chemical Equilibrium, Periodic Properties, Stereo-chemistry, Organic Reactions and Synthesis of Drug Molecules. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test student's comprehension.

Salient Features:

1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. Book Provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, Projects group discussion etc.
3. Students and teacher centric subject materials included in book with balanced and chronological manner.
4. Figures, tables, chemical equations and comparative charts are inserted to improve clarity of the topics.
5. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
6. Solved and unsolved problems including numerical examples are solved with systematic steps.

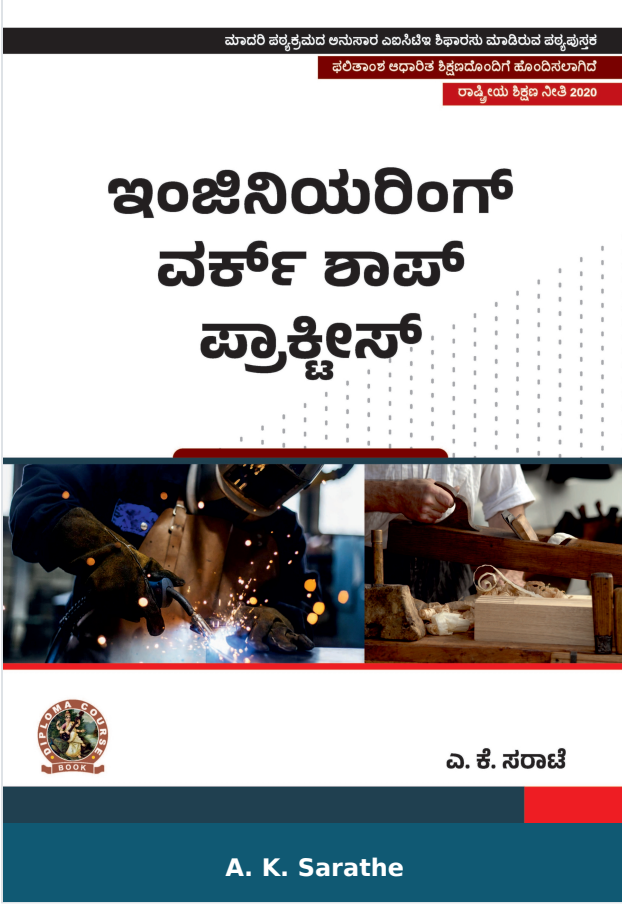
Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Guidelines for Teacher
- Guidelines for Students
- Atomic and Molecular Structure
- Spectroscopic Techniques and Applications
- Intermolecular Forces and Potential Energy Surfaces
- Use of Free Energy in Chemical Equilibria
- Periodic Properties
- Stereochemistry and Organic Reactions
- Organic Reactions Synthesis of Drug Molecules
- Annexure
- Appendices

Author

Manisha Agrawal

Manisha Agrawal Dr. Manisha Agarwal is Dean, Basic Sciences at Chhattisgarh Swami Vivekanand Technical University Bhilai. Professor and head, Department of Chemistry at Rungta College of Engineering & Technology, Bhilai, (C.G.). She completed Ph. D. from Pt. Ravishankar Shukla University, Raipur in 1999. Since then she has been engaged in teaching and research. Dr. Manisha has authored several papers which have been published in SCI indexed International and National journals. She has organised more than 10 Conferences and workshops as convener among them four were International Conferences. She has credited five books as author, three patents as inventor and applicant and six Research Project Grants as Principal Investigator from Government Funding agencies like AICTE, CCOST and CSVTU. She has supervised 5 M. Phil. Students, 12 BE and Diploma students. Presently 6 research scholars are perusing Ph. D. under her supervision.



Engineering Workshop Practice

Author : A. K. Sarathe

ISBN 13 : 978-93-55380-05-0

ISBN 10 : 9355380054

E-ISBN 13 : 978-93-55380-05-0

Edition : 1

Pages : 188

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [AICTE Prescribed Textbooks,](#)
[Kannada Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

“ Engineering Workshop Practice Manual” is a common 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.

Engineering Workshop Practice manual covers five units- First unit deals with the carpentry, second unit is about fitting , third unit focuses on welding, fourth units discusses about sheet metal working and the fifth unit deals with electrical house wiring . The manual comprises of total seventeen workshop practical from P1 to P17 and the same are arranged in hierarchical manner from simple to complex so that students should not only focus on completing the practical and getting the marks/ grades but will also be motivated to create useful products incorporating their creative and critical thinking as well.

Some salient features of the book:

1. Content of the manual aligned with the mapping of Course Outcomes, Programs Outcomes and practical outcomes.
2. Relevant theory has been included at the beginning of each practical.
3. The manual has been developed to ensure alignment with the Outcome Based Education philosophy and consisting of total seventeen workshop practical.
4. Unit wise practical are arranged in hierarchical manner from simple to complex.
5. Manual provides recent information and QR Code for E-resources etc.
6. Figures, photographs and table are inserted to improve clarity of the content.

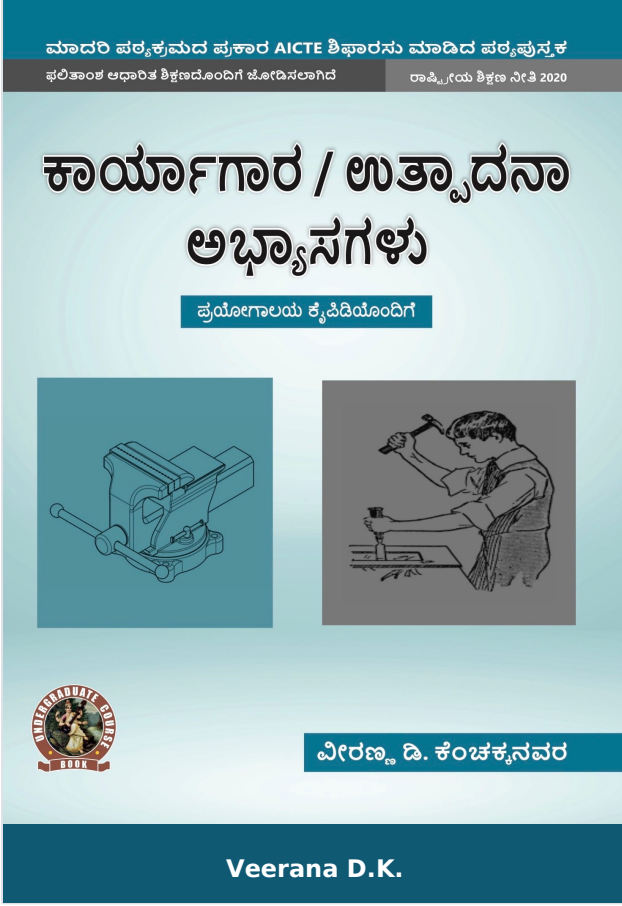
Table Of Contents

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- List of tables Guidelines for Teachers,
- Guidelines for Students
- Carpentry
- Fitting
- Welding Tools and Equipment
- Sheet Metal Working
- Electrical House wiring
- Index

Author

A. K. Sarathe

A. K. Sarathe



Workshop / Manufacturing Practices (with Lab Manual)

Author :	Veerana D.K.
ISBN 13 :	978-93-91505-78-3
ISBN 10 :	9391505783
E-ISBN 13 :	978-93-91505-78-3
Edition :	First
Pages :	188
Type of book :	Physical
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Kannada Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

The textbook on “Workshop/ Manufacturing Practices” is designed to cater the needs of young minds of 21 century. The AICTE model curriculum and National Education Policy has driven a new wave in the technical education. The textbook is designed not only to cater the need of the syllabus but also to look things in a different perspective. The Workshop is the place where the core of learning about different materials, equipment, tools and techniques takes place. Basically the workshop used to prepare the small components by hand tools. Sometimes they may be parts of the large machines or may may be parts for replacement/repairs. In this text book an attempt has been made to connect the conventional tools usage to advanced machine tools usage. The relevant practical examples are quoted to make the readers more comfortable with product and processes. The blooms taxonomy is fallowed in construction of each chapters and exercises. The objective and multiple questions with higher order thinking may help the readers to not only to face the semester end exam even they may help in competitive and other examinations.

Salient Features:

1. Manufacturing Methods
2. CNC Machining, Additive manufacturing
3. Fitting operations & power tools
4. Electrical & Electronic
5. Carpentry
6. Plastic moulding, glass cutting
7. Metal casting
8. Welding (arc welding & gas welding), brazing

9. Laboratory experiments and models

10. Appendices

11. References

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Guidelines for Teacher
- Guidelines for Students
- Part- A: Manufacturing Practices
 - Manufacturing Methods
 - CNC Machining, Additive manufacturing, Fitting
 - operations & power tools
 - Electrical & Electronic
 - Carpentry, Plastic moulding, glass cutting
 - Metal casting, welding (arc welding & gas welding), brazing
- Part- B: Workshop Practice Laboratory
- Appendices
- References

Author

Veerana D.K.

The textbook on “Workshop/ Manufacturing Practices” is designed to cater the needs of young minds of 21 century. The AICTE model curriculum and National Education Policy has driven a new wave in the technical education. The textbook is designed not only to cater the need of the syllabus but also to look things in a different perspective. The Workshop is the place where the core of learning about different materials, equipment, tools and techniques takes place. Basically the workshop used to prepare the small components by hand tools. Sometimes they may be parts of the large machines or may may be parts for replacement/repairs. In this text book an attempt has been made to connect the conventional tools usage to advanced machine tools usage. The relevant practical examples are quoted to make the readers more comfortable with product and processes. The blooms taxonomy is fallowed in construction of each chapters and exercises. The objective and multiple questions with higher order thinking may help the readers to not only to face the semester end exam even they may help in competitive and other examinations. Salient Features: I Manufacturing Methods I CNC Machining, Additive manufacturing I Fitting operations & power tools I Electrical & Electronic I Carpentry I Plastic moulding, glass cutting I Metal casting I Welding (arc welding & gas welding), brazing I Laboratory experiments and models I Appendices I References