



Mechanical Operations (Particles and Motion of Particles)

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Product Description

MECHANICAL OPERATIONS Particles and Motion of Particles Chapters Covered: 1. Introduction. 2. Particle Technology. 3. Size Reduction. 4. Flow of Fluid Past Immersed Bodies. 4. Motion of Particles Through Fluids. 6. Sedimentation. 7. Filtration. 8. Agitation and Mixing. 9. Sampling Storage and Conveying of Solids. 10. Magnetic Separations. 11. Jigging.



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Chapter 1: Introduction. **Chapter 2:** Particle Technology. **Chapter 3:** Size Reduction. **Chapter 4:** Flow of Fluid Past Immersed Bodies. **Chapter 5:** Motion of Particles Through Fluids. **Chapter 6:** Sedimentation. **Chapter 7:** Filtration. **Chapter 8:** Agitation and Mixing. **Chapter 9:** Sampling, Storage and Conveying of Solids. **Chapter 10:** Magnetic Separations. **Chapter 11:** Jigging.

Author

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Introduction to IT Systems (with Lab Manual)

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“INTRODUCTION TO SYSTEMS” is a compulsory paper for the first year Diploma 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 five units- Internet Skills and Computer Basics, Operating Systems, HTML and CSS, open Office Tools. And information Security Best Practices. Each topic in units is written in each and lucid manner. Every unit contains a set of exercise at the end of each unit to test student’s comprehension. Some salient features of the book: 1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and unit Outcomes. 2. Practical are included with each unit for better understanding of the theoretical concepts. 3. Book Provides interesting facts and various activities pertaining to topic. QR Codes are used for additional E-resources, use of ICT, online code editors, online quiz etc. 4. Student and teacher centric subject materials included in balanced and chronological manner. 5. Figures, tables, source code for web programming, numerous examples and applications are included to improve clarity of the topics. 6. Objective questions, subjective questions and crossword exercise are given for practice of students after every chapter.



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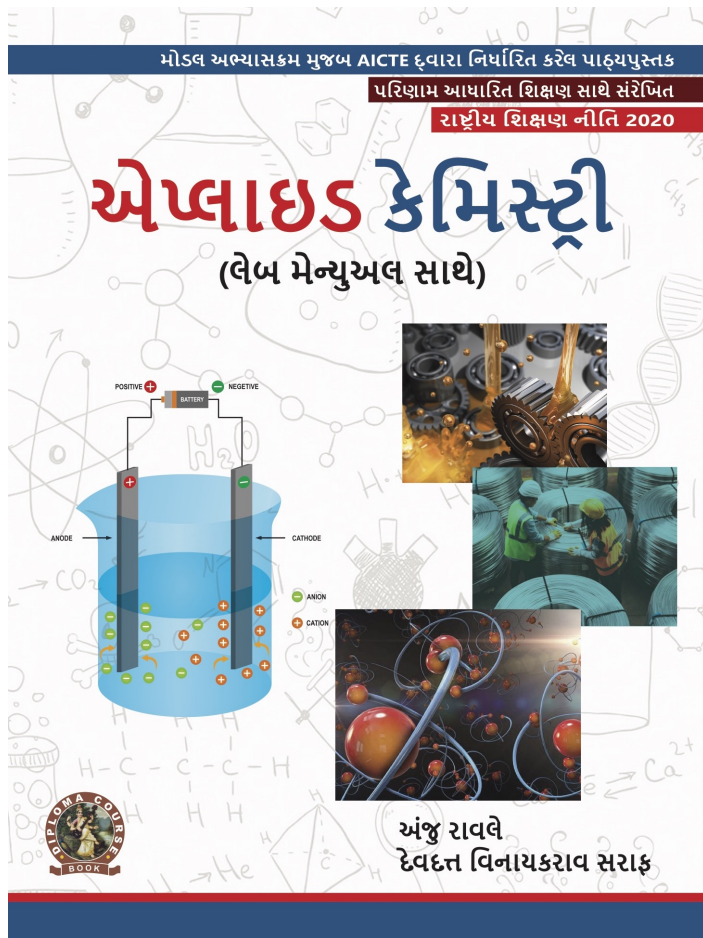
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Applied Chemistry (with Lab Manual)

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Product Description

This text book o “Applied Chemistry” is development as per AICTE model curriculum ,2018, for compulsory course on Applied Chemistry of first years Diploma Program in Engineering and Technology. Atomic Structure, Chemical Bonding & Solution, Water, Engineering Materials, Chemistry of fuels & Lubricants and Electrochemistry are the five units of this book, comprising of both practical and theory. Some salient features of the book: 1. Course Outcomes and Unit Outcomes are written specifically and are mapped with programme Outcomes. 2. Utmost care have been taken to amalgamate the philosophy of outcome based education. 3. The structure of the textbook is comprehensive, where in practical exercises are integral part of each unit. 4. The text is presented in a very simple way with illustrations, examples, tables, flow chart, self -assessment questions and their solutions. 5. Micro projects, points/issue for the creative inquisitiveness & curiosity, know more, video links, case study and summary points are integral part of each unit to facilitate the students to develop the attitude of scientific inquiry, investigate the cause and effect relationship, systematic, scientific & logical thinking , ability to observe, analyse and interpret. 6. To meet the requirement of outcome based education (OBE) and outcome based assessment (OBA), criterion referenced testing (CRT) have been used as an integral part of assessment in each practical. 7. Sample QR codes have been provided in each units on some topics/sub topics for supplementary reading and reinforcing the learning.

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