

മാതൃകാ പാഠ്യപദ്ധതി പ്രകാരം AICTE നിർദ്ദേശിച്ച പാഠപുസ്തകം

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പ്രശാന്ത് ജോഷി

Introduction to IT Systems (with Lab Manual)

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Product Description

“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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UNIT 2: Operating Systems.

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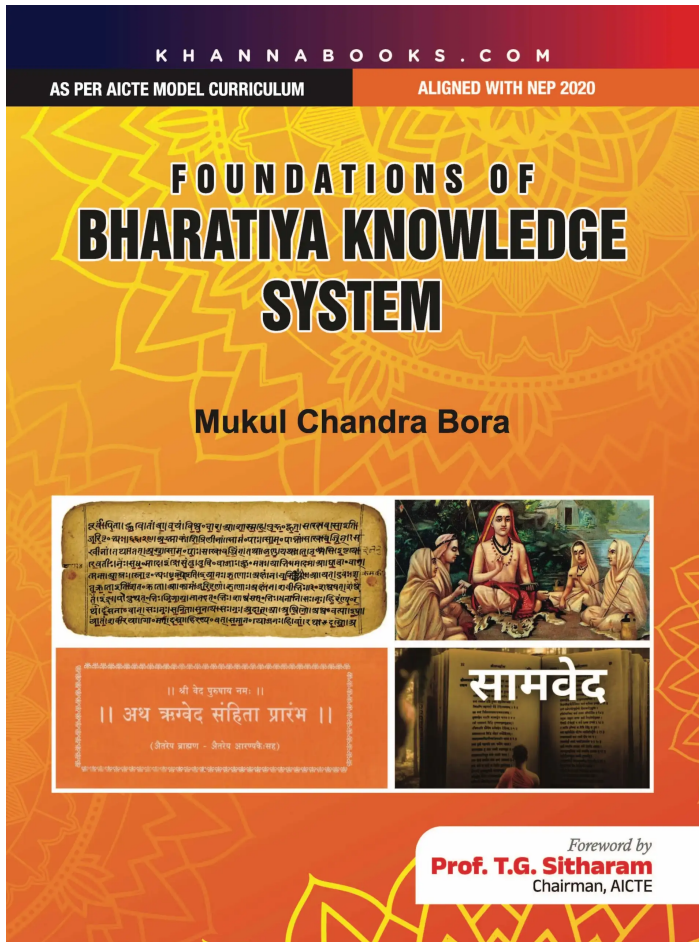
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Foundations of Bharatiya Knowledge System

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Product Description

In recent times, there has been a growing discussion about the Bharatiya Knowledge System. However, many of us lack a deep understanding of its foundations, which is akin to achieving sustainability without acknowledging the importance of mother nature and the Earth. After Conduction three Years of research in this field, the author discovered that although people often mention the Bharatiya Knowledge System, most of us are not well- versed in the fundamental Knowledge and interpretation of the Sanskrit Literature of Ancient India. Therefore, it is crucial to first delve in to the foundations of the Bharatiya Knowledge System and subsequently explore its relevance in the modern scientific world. Just as a building or structure cannot be constructed without a solid foundation, acquiring a comprehensive understanding of the Bharatiya Knowledge System necessitates studying the Vedic Texts and Literature. Consequently, the author has divided this book into two volumes as Volume I: Foundations of Bharatiya Knowledge System which simply covers the foundations of the Bharatiya Knowledge System in a simple and easy-understandable language; Volume II: Bharatiya Knowledge System and Modern World which examines the scientific and modern theories found in the ancient texts. Salient Features of this book Include an Exploration of the: 1. Vedic Period of Bharat. 2. The History of Sanskrit Literature. 3. An Introduction to Rigveda, Yajurveda, Atharvaveda, Samaveda, Brahmanas, and Upanishads. 4. Although there is an extensive treasure trove of Sanskrit Literature. 5. This Book Focuses solely on the original Vedas, Brahmanas and Upanishads. 6. Ancient Bharat's Seat of Learning. 7. How the Western People got our Ancient Rishi's Wisdom and converted it to materialistic use. 8. Why do we have to know our heritage which was neglected for many thousands of years by our own people? In the final chapters, there sections are dedicated to provide glimpses of our ancient education and its application in the modern world. These chapters are intended to stimulate readers' minds and help them recognize the relevance of the Bharatiya Knowledge System in their own academic lives. Fostering

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Chapter 1: Brief Introduction of Bharatvarsha. **Chapter 2:** Introduction to Science In Vedic Literature. **Chapter 3:** Vedic Period Of Bharat. **Chapter 4:** History of Sanskrit Literature. **Chapter 5:** Introduction to Rigveda. **Chapter 6:** Rigvedic Society of Bharat. **Chapter 7:** Introduction to Atharvaveda. **Chapter 8:** Introduction to Samaveda. **Chapter 9:** The Brahmanas and Upanishads. **Chapter 10:** Scientific Evidence of Sanskrit Literature. **Chapter 11:** Great Learning Places of Ancient Bharat. **Chapter 12:** Glimpses of Ancient Bharatiya Knowledge in Modern World. **Suggested Reading Brief Introduction to Bharatiya Knowledge System Vol II**



Author

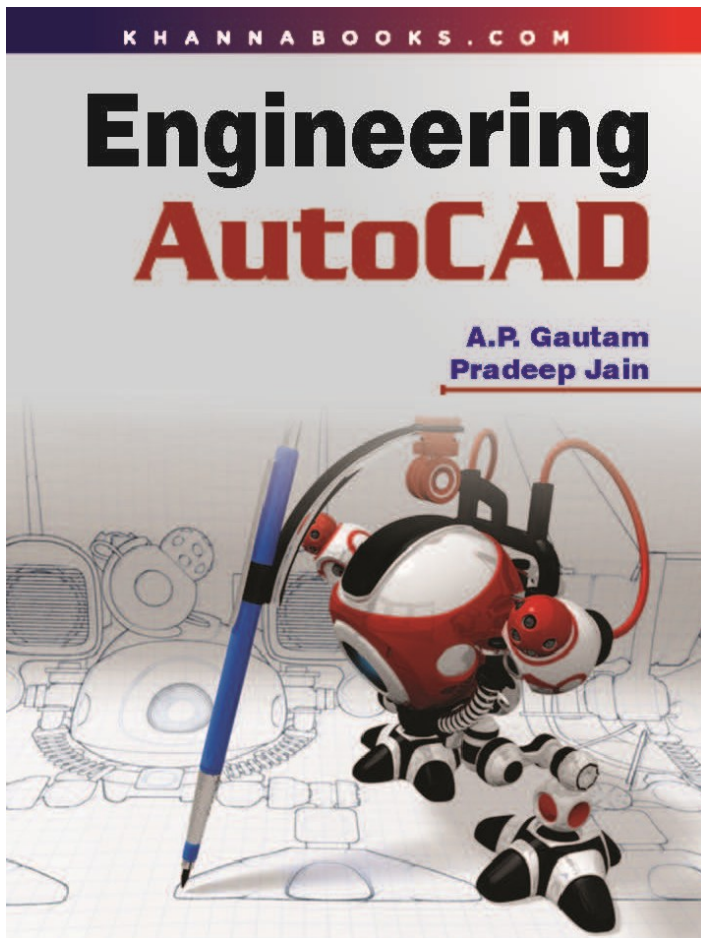
Dr. Mukul Chandra Bora is currently serving as the Director of the Dibrugarh University Institute of Engineering and Technology (DUIET) at Dibrugarh in Assam, Bharat since 2012. However, he has also taken on additional responsibilities during his tenure. From 2017 to 2021, he was on deputation to the TEQIP-III project of the Ministry of Education (formerly known as the Ministry of Human Resource Development), Government of India. During this time, he served as the State Project Administrator for the flagship project of the Ministry of Education in Northeast Bharat. Dr. Bora completed his B. E. in Civil Engineering from Jorhat Engineering College under Dibrugarh University, Assam in 1988. He further pursued his M.Tech. in Civil Engineering with a specialization in Geotechnical Engineering from the Indian Institute of Technology (IIT) Kharagpur, West Bengal, Bharat in 2000. In 2011, he obtained his Doctorate in Civil Engineering from the Indian Institute of Technology Guwahati. Dr. Bora embarked on his professional career in 1989 as a Construction Engineering, working in various capacities within the Construction Industry until 1994. He then transitioned into the field of academia, joining the Technical Education Department of Assam as a Lecturer in Civil Engineering in 1994. He held his position until October 2012, reaching the position of Lecturer (Selection Grade) in Civil Engineering. In November 2012, he assumed the role of Director at DUIET, Dibrugarh University, where he continues to serve. In terms of research and consultancy, Dr. Bora has made significant contributions. He has published over 40 research papers in various journals and conferences in Bharat and abroad. While his primary research area is Soft Soil Engineering, he has also conducted research in other cutting-edge fields such as Sustainable Development, Zero Waste or Circular Economy, and the Scientific Heritage of Ancient Bharat, which is an integral part of the extensive Bharatiya Knowledge System.



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Product Description

The book is useful for the students of B. Tech and diploma in Mechanical, Civil and B. Architect, and for the industrial persons to enhance their designing skills. This book is simple to understand included exercises and tutorials. For better understanding, objective-type questions and practice have been included at the end.

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Chapter 1: Concept Of Engineering Drawing. **Chapter 2:** An Introduction Of AutoCAD. **Chapter 3:** AutoCAD Command Shortcuts. **Chapter 4:** Draw Toolbar. **Chapter 5:** Modify Toolbar. **Chapter 6:** Dimension Toolbar. **Chapter 7:** Layers. **Chapter 8:** Productivity Tool. **Chapter 9:** Miscellaneous Command. **Chapter 10:** Constraints. **Chapter 11:** Three Dimension Tool. **Chapter 12:** Page Setup & Plot Manager.



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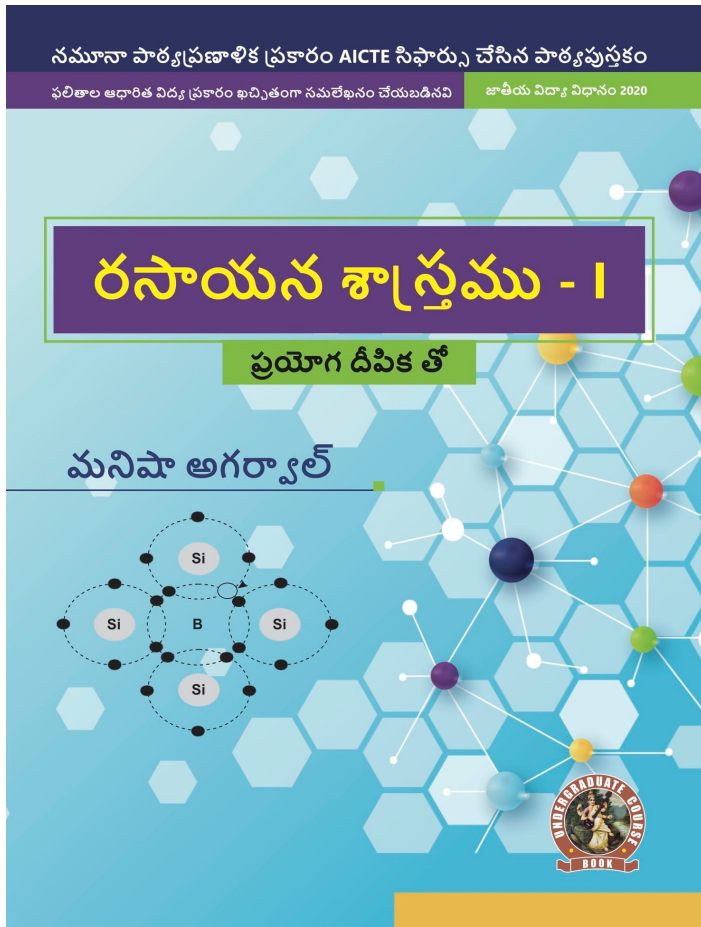
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Chemistry I (with Lab Manual)

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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.



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Author

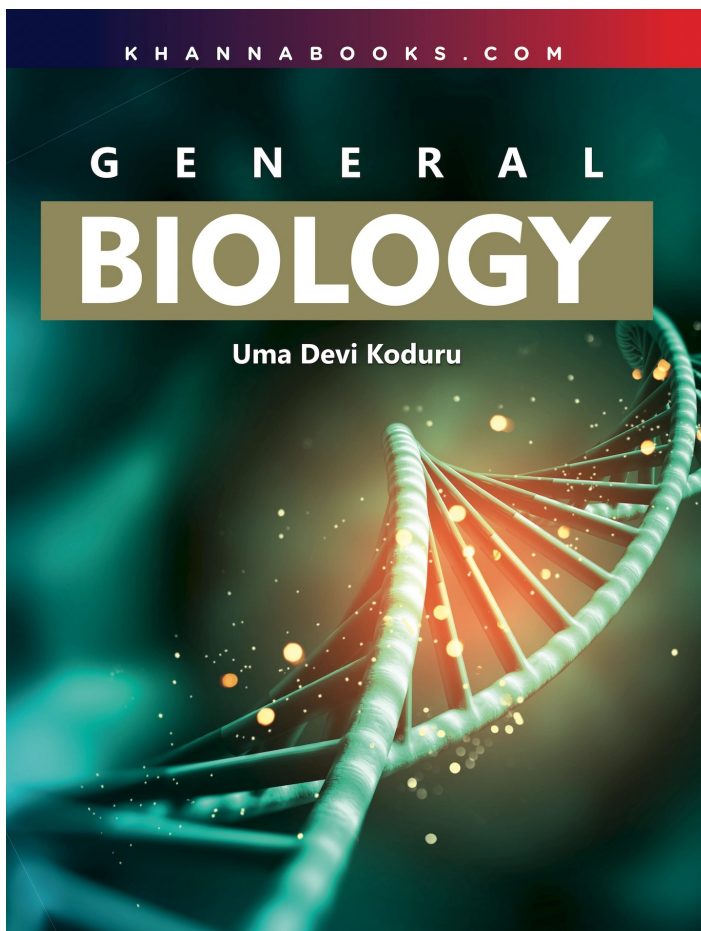
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General Biology

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- Covers in toto the syllabus prescribed by AICTE and APSHE for the General Biology Course.
- Service as a textbook to guide the instructor.
- Suitable for self -study with explanatory stand-along illustrations.
- Encompasses the entire breadth of topics in Biology.
- An Essential for students pursuing a basis course in Biology.
- Presents the topics in a style that can be comprehended by students from non-biology background.



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Chapter 2: Classification and Model Organisms. **Chapter 3:** Genetics. **Chapter 4:** Biomolecules. **Chapter 5:** Enzymes. **Chapter 6:** Information transfer in Living Organisms. **Chapter 7:** Protein Structure and Function. **Chapter 8:** Laws of Thermodynamics at Play in Metabolism. **Chapter 9:** Microbiology. **Chapter 10:** Biotechnology.

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Uma Devi Koduru: (Professor Retd.), Andhra University, Visakhapatnam) A Faculty in life sciences for over three decades in a University. reveled in teaching Genetics, Molecular Biology, Cell Biology and Bioinformatics. A research career of over four decades working on plants genetics, Microbes (entomopathogenic fungi and micro algae). Research collaboration with scientists in India and abroad supported by liberal research grants. Research publications in high impact journals with high citation index. Continue to marvel at the intriguing science of Biology with a deep passion to inspire young minds to study the subject what ever be their specialization in graduation.

