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SHAH

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**Electrical Circuit Analysis**  
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**Foundation Engineering**  
*CHATTOPADHYAY & MAIY*

This text is intended for the undergraduate and postgraduate students of civil engineering. The book comprehensively covers the fundamental concepts, the methodologies involved and the tools used to perform Surveying. Along with the basic topics the book also delves on the advanced level topics like Photogrammetry, Remote sensing and Astronomical Surveying. The book is incorporated with numerical problems and analytical exercises to probe into the students’ understanding.

**Textbook of Surveying**  
*VENUGOPALA RAO & AKELLA*

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**SAP MM Invoice Verification: Technical Reference and Learning Guide**  
*AGRAWAL*

Primarily intended for UG students of electrical engineering, the book covers the syllabus of almost all the Indian universities. It deals in electromagnetism and discusses the electromechanical energy conversion principles. The text explains the principles and working of transformers, dc machines, synchronous machines and three-phase induction motor. The book also discusses other special types of machines including single phase induction motor. Each chapter has a large number of solved problems and review questions. In addition to this, each chapter contains a number of multiple choice questions and numerical problems with their answers.

**Electrical Machines**  
*PRASAD*

Designed for the undergraduate students of mechanical engineering and allied branches, this book serves as a bridge between the study of the basic processes and their application in production industries. This book covers two similar fundamental processes — foundry and welding — in a single volume. The chapters of the book are grouped in seven modules. A separate module is devoted to introduce the preliminaries of the two areas namely casting and joining processes. The theory of each process is explained with the help of simple line sketches which can be easily reproduced by a student at the time of examination. Enough worked out examples and problems are given for practice, especially in the design areas. At the end of each chapter, sufficient number of review questions are given as exercise.

**Metal Casting and Joining**  
*JOHN*

The book presents a complete and up-to-date overview of the key concepts pertaining to medical informatics. The topics explained follow a simple and student-friendly approach. A good number of figures and tables are provided to supplement the text information for easy understanding and visualisation by the readers. The text focuses on the role of computers in the area of medical services. The book is primarily designed for the undergraduate and postgraduate courses in biomedical engineering and paramedical.

**Medical Informatics**  
*BHATIA*

Primarily intended for UG students of CSE and IT, this text will also be useful for UG and PG students of Computer Applications. This well-organized text, now in its third edition, continues to introduce the students to different areas of discrete mathematics such as set theory, counting principle, probability theory, mathematical logic, graph theory and so on, followed by its relation and application to computer science. This thoroughly revised text includes many new sections and subsections, supported by a number of worked-out examples and exercises that help students grasp the concepts of the subject. It also incorporates many new examples, definitions, theorems, exercises, GATE level MCQs and bibliography.

**Fundamentals of Discrete Mathematical Structures, 3rd ed.**  
*CHOWDHARY*
Primarily intended for UG and PG students of CSE (B.Tech./M.Tech.), UG and PG students of computer science and information technology (B.Sc./M.Sc.) and the students of MCA. This thoroughly revised and well-organized text, now in its second edition, continues to provide the principles, techniques, design, and implementation of cryptography and information security algorithms. The book also discusses in detail encryption methods, cipher techniques and advanced topics such as computer forensics. This edition includes the topics with new innovations and improvements in the field of cryptography and information security in a substantial and comprehensive way. It incorporates many solved numerical problems and MCQs with their answers in each chapter.

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