

Navneet Gupta Engineering Physics Sem 1

Vedic Mathematics, Or Sixteen Simple Mathematical Formulae from the Vedas
ISC Commerce Class-XI (Vol.I)
Electronic Switching
Advanced level physics
Basics of Mechanical Engineering
Advances in Micro and Nano Manufacturing and Surface Engineering
The Physics of Semiconductor Devices
Handbook of Neurological Examination
Classical Mechanics of Particles and Rigid Bodies
High Pressure Processing of Food
Sustainable Construction and Building Materials
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History of Modern India
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Advanced Electrical and Electronics Materials
A Course In Power Systems
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Junior'S Handbook Of Essays, Letters, Paragraphs And Precis Writing
International Conference on Advanced Computing Networking and Informatics
Optical Sensors for Biomedical Diagnostics and Environmental Monitoring
Integrated Microelectronic Devices
Textbook of Neurology
Progress in Intelligent Computing Techniques: Theory, Practice, and Applications
CC CHATTERJEE'S HUMAN PHYSIOLOGY, VOLUME

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Vedic Mathematics, Or Sixteen Simple Mathematical Formulae from the Vedas

High pressure processing technology has been adopted worldwide at the industrial level to preserve a wide variety of food products without using heat or chemical preservatives. High Pressure Processing: Technology Principles and Applications will review the basic technology principles and process parameters that govern microbial safety and product quality, an essential requirement for industrial application. This book will be of interest to scientists in the food industry, in particular to those involved in the processing of products such as meat, fish, fruits, and vegetables. The book will be equally important to food microbiologists and processing specialists in both the government and food industry. Moreover, it will be a valuable reference for authorities involved in the import and export of high pressure treated food products. Finally, this update on the science and technology of high pressure processing will be helpful to all academic, industrial, local, and state educators in their educational efforts, as well as a great resource for graduate students interested in learning about state-of-the-art technology in food engineering.

ISC Commerce Class-XI (Vol.I)

This comprehensive and unique book is intended to cover the vast and fast-growing field of electrical and electronic materials and their engineering in accordance with modern developments. Basic and pre-requisite information has been included for easy transition to more complex topics. Latest developments in various fields of materials and their sciences/engineering, processing and applications have been included. Latest topics like PLZT, vacuum as insulator, fiber-optics, high temperature superconductors, smart materials, ferromagnetic semiconductors etc. are covered. Illustrations and examples encompass different engineering disciplines such as robotics, electrical, mechanical, electronics, instrumentation and control, computer, and their inter-disciplinary branches. A variety of materials ranging from iridium to garnets, microelectronics, micro alloys to memory devices, left-handed materials, advanced and futuristic materials are described in detail.

Electronic Switching

Advanced level physics

The rapid growth of modern industry has resulted in a growing demand for construction materials with excellent operational properties. However, the improved features of these materials can significantly hinder their manufacture and, therefore, they can be defined as hard-to-cut. The main difficulties during the manufacturing/processing of hard-to-cut materials are attributed especially to their high hardness and abrasion resistance, high strength at room or elevated temperatures, increased thermal conductivity, as well as resistance to oxidation and corrosion. Nowadays, the group of hard-to-cut materials is extensive and still expanding, which is attributed to the development of a novel manufacturing techniques (e.g., additive technologies). Currently, the group of hard-to-cut materials mainly includes hardened and stainless steels, titanium, cobalt and nickel alloys, composites, ceramics, as well as the hard clads fabricated by additive techniques. This Special Issue, “Advances in Hard-to-Cut Materials: Manufacturing, Properties, Process Mechanics and Evaluation of Surface Integrity”, provides the collection of research papers regarding the various problems correlated with hard-to-cut materials. The analysis of these studies reveals the primary directions regarding the developments in manufacturing methods, characterization, and optimization of hard-to-cut materials.

Basics of Mechanical Engineering

This volume presents research papers on micro and nano manufacturing and

surface engineering which were presented during the 7th International and 28th All India Manufacturing Technology, Design and Research conference 2018 (AIMTDR 2018). The papers discuss the latest advances in miniature manufacturing, the machining of miniature components and features as well as improvement of surface properties. This volume will be of interest to academicians, researchers, and practicing engineers alike.

Advances in Micro and Nano Manufacturing and Surface Engineering

The Physics of Semiconductor Devices

S Chand's ISC Mathematics is structured according to the latest syllabus as per the new CISCE(Council for the Indian School Certificate Examinations), New Delhi, for ISC students taking classes XI & XII examinations.

Handbook of Neurological Examination

Classical Mechanics of Particles and Rigid Bodies

ISC Commerce Class-XI (Vol.I)

High Pressure Processing of Food

This book disseminates the current knowledge of semiconductor physics and its applications across the scientific community. It is based on a biennial workshop that provides the participating research groups with a stimulating platform for interaction and collaboration with colleagues from the same scientific community. The book discusses the latest developments in the field of III-nitrides; materials & devices, compound semiconductors, VLSI technology, optoelectronics, sensors, photovoltaics, crystal growth, epitaxy and characterization, graphene and other 2D materials and organic semiconductors.

Sustainable Construction and Building Materials

History of Modern India presents an authoritative overview of the history of what was known as British India. The text is largely based on the author's research on nationalism and colonialism in India and also draws from the works of eminent historians of the period. Challenging and revising colonial and nationalist interpretations of history, this book moves away from a largely political narrative to a social, economic and religious history of modern India. It explains how conditions

in India during the eighteenth century helped the British East India Company establish its rule in India. It also gives us important insights into the primary aim of colonial rule which was the economic exploitation of India through trade and investment. The topics are arranged thematically in order to showcase the various forces that went into the making of independent India. However, in the entire arrangement of themes, the chronology of the period is enmeshed innovatively with the various forces that evolved both as a cause and effect of British imperialist rule of the subcontinent. The book also provides a detailed account of the nationalist movement and introduces us to the contributions of different individuals who were behind the nationalist movement. A comprehensive textbook for students of history and interested readers, History of Modern India is essential reading for a broad based understanding of the making of modern India.

Advances in Interdisciplinary Engineering

Zinc oxide (ZnO) belongs to the class of transparent conducting oxides that can be used as transparent electrodes in electronic devices or heated windows. In this book the material properties of, the deposition technologies for, and applications of zinc oxide in thin film solar cells are described in a comprehensive manner. Structural, morphological, optical and electronic properties of ZnO are treated in this review.

History of Modern India

The book focuses on both theory and applications in the broad areas of communication technology, computer science and information security. This two volume book contains the Proceedings of 4th International Conference on Advanced Computing, Networking and Informatics. This book brings together academic scientists, professors, research scholars and students to share and disseminate information on knowledge and scientific research works related to computing, networking, and informatics to discuss the practical challenges encountered and the solutions adopted. The book also promotes translation of basic research into applied investigation and convert applied investigation into practice.

Steam Tables (With Mollier Diagrams In S.I. Units)

Materials Forming, Machining and Post Processing

This book presents select proceedings of the International Conference on Sustainable Construction and Building Materials (ICSCBM 2018), and examines a range of durable, energy-efficient, and next-generation construction and building

materials produced from industrial wastes and byproducts. The topics covered include alternative, eco-friendly construction and building materials, next-generation concretes, energy efficiency in construction, and sustainability in construction project management. The book also discusses various properties and performance attributes of modern-age concretes including their durability, workability, and carbon footprint. As such, it offers a valuable reference for beginners, researchers, and professionals interested in sustainable construction and allied fields.

Comdex Computer Course Kit: Windows Vista With Microsoft Office 2007, Professional Ed (With Cd)

This volume offers a comprehensive guide on the theory and practice of amorphous solid dispersions (ASD) for handling challenges associated with poorly soluble drugs. In twenty-three inclusive chapters, the book examines thermodynamics and kinetics of the amorphous state and amorphous solid dispersions, ASD technologies, excipients for stabilizing amorphous solid dispersions such as polymers, and ASD manufacturing technologies, including spray drying, hot melt extrusion, fluid bed layering and solvent-controlled micro-precipitation technology (MBP). Each technology is illustrated by specific case studies. In addition, dedicated sections cover analytical tools and technologies for

characterization of amorphous solid dispersions, the prediction of long-term stability, and the development of suitable dissolution methods and regulatory aspects. The book also highlights future technologies on the horizon, such as supercritical fluid processing, mesoporous silica, KinetiSol®, and the use of non-salt-forming organic acids and amino acids for the stabilization of amorphous systems. Amorphous Solid Dispersions: Theory and Practice is a valuable reference to pharmaceutical scientists interested in developing bioavailable and therapeutically effective formulations of poorly soluble molecules in order to advance these technologies and develop better medicines for the future.

Transparent Conductive Zinc Oxide

APC Understanding Information Technology 8

Advances in Hard-to-Cut Materials

ISC Mathematics book 1 for Class- 11

The Special Theory of Relativity (STR) is the physical theory of measurement in inertial frames of reference proposed by Albert Einstein. It is deemed special because the theory or principle of relativity is applied only to inertial frames. In this book, Prof Ghatak sets out and explains the basic physics behind Einstein's theory, and at the same time he gives the reader a concise, enthusiastic overview of Einstein's massive contribution to science and the knowledge of mankind. In 1999, Time Magazine names Albert Einstein as "The Person of the Century." This book tells us why. The introduction deals with a summary of Einstein's work, Chapter One discusses Time Dilation and Length Contraction, Chapter Two deals with Mass-energy Relationship and Lorentz Transformations, and Chapters Three and Four reproduce two of his original ground breaking papers from 1905. "Special Theory of Relativity" can be read by physics and engineering undergraduates as a support text on their courses, but it is of equal interest to readers of general science and fans of Albert Einstein.

Artificial Intelligence and Deep Learning for Decision Makers

Introduces Emerging Engineering Materials Mechanical, materials, and production engineering students can greatly benefit from Engineering Materials: Research, Applications and Advances. This text focuses heavily on research, and fills a need for current information on the science, processes, and applications in the field. Beginning with a brief overview, the book provides a historical and modern

perspective on material science, and describes various types of engineering materials. It examines the industrial process for emerging materials, determines practical use under a wide range of conditions, and establishes what is needed to produce a new generation of materials. Covers Basic Concepts and Practical Applications The book consists of 18 chapters and covers a variety of topics that include functionally graded materials, auxetic materials, whiskers, metallic glasses, biocomposite materials, nanomaterials, superalloys, superhard materials, shape-memory alloys, and smart materials. The author outlines the latest advancements, including futuristic plastics, sandwich composites, and biodegradable composites, and highlights special kinds of composites, including fire-resistant composites, marine composites, and biomimetics. He also factors in current examples, future prospects, and the latest research underway in materials technology. Contains approximately 160 diagrams and 85 tables Incorporates examples, illustrations, and applications used in a variety of engineering disciplines Includes solved numerical examples and objective questions with answers Engineering Materials: Research, Applications and Advances serves as a textbook and reference for advanced/graduate students in mechanical engineering, materials engineering, production engineering, physics, and chemistry, and relevant researchers and practicing professionals in the field of materials science.

Special Theory of Relativity

This book provides a detailed understanding of various forming, machining, and post processing techniques. Working principle, process mechanism, salient features and latest developments are primarily focused. It presents some basic and specialized processes to produce quality engineered parts. This book also incorporates some investigations on modelling, simulation and optimization of the aforementioned processes to improve quality and performance, productivity, and sustainability.

Fundamentals of Physics

This book is a thorough study of electronic switching and concentrates on switching aspects and its problems. It spans the century from the very beginning of the telephone service to the present day. It deals with switching, signaling and traffic in the context of telecommunication networks. Some basic theory is presented in both qualitative and quantitative terms. However the main purpose is to introduce concepts, terminology and influence of application on implementations.

Advanced Graphic Communication, Printing and Packaging Technology

Advanced Electrical and Electronics Materials

Understanding Information Technology series is written as per the requirements of the ICSE and CBSE schools, imparting knowledge in the field of Information and Technology. The series contains a number of special features: • The topics are explained in lucid language in a systematic way. • The series provides basic and comprehensive knowledge of the subject as per today's needs. • The presentation of the books makes the subject interesting for the students. • The series also contains a high-level language at all levels to develop the fundamental concept of programming techniques.

A Course In Power Systems

Geomorphology

Engineering Physics (Annual Pattern)

The book comprises selected papers presented at the International Conference on Advanced Computing, Networking and Informatics (ICANI 2018), organized by Medi-

Caps University, India. It includes novel and original research work on advanced computing, networking and informatics, and discusses a wide variety of industrial, engineering and scientific applications of the emerging techniques in the field of computing and networking.

Junior'S Handbook Of Essays, Letters, Paragraphs And Precis Writing

Completely revised, entirely rewritten, thoroughly updated, and judiciously enlarged by a highly qualified and experienced team of editors.

International Conference on Advanced Computing Networking and Informatics

The field of plasmonics has shown extraordinary capabilities in realizing highly sensitive and accurate sensors for environmental monitoring and measurement of biological analytes. The inherent potential of such devices has led to growing interest worldwide in commercial fiber optic chemical and biosensors. Optical Sensors for Biomedical Diagnostics and Environmental Monitoring is an essential resource for students, established researchers, and industry developers in need of a reference work on both the fundamentals and latest advances in optical fiber

sensor technology in biomedical diagnostics and environmental monitoring. The book includes rigorous theory and experimental techniques of surface plasmon and lossy mode resonances, as well as real-time sensing applications of resonance techniques implemented over optical fiber substrate using bulk layer and/or nanostructures as transducer and sensing layers. In addition, discussion of various design options for real-time sensors in environmental monitoring and biomedical diagnostics make the book approachable to readers from multidisciplinary fields.

Optical Sensors for Biomedical Diagnostics and Environmental Monitoring

This book presents select proceedings of the International Conference on Future Learning Aspects of Mechanical Engineering (FLAME 2018). The book discusses interdisciplinary areas such as automobile engineering, mechatronics, applied and structural mechanics, bio-mechanics, biomedical instrumentation, ergonomics, biodynamic modeling, nuclear engineering, agriculture engineering, and farm machineries. The contents of the book will benefit both researchers and professionals.

Integrated Microelectronic Devices

Textbook of Neurology

Progress in Intelligent Computing Techniques: Theory, Practice, and Applications

Indian social media is awash with right-wing trolls who incite online communal tension and abuse anyone who questions them. But who are they? How are they organized? In this explosive investigation, conducted over two years, Swati Chaturvedi finally lifts the veil over this murky subject

CC CHATTERJEE'S HUMAN PHYSIOLOGY, VOLUME 1

Comprehensive yet simply-written, this text provides a classical treatment of the mechanics of particles and rigid bodies, and contains nearly 200 examples and solved problems. The solved problems are supplemented by many more unsolved ones and revision questions at the end of each chapter. Exposition emphasizes the analogy between certain aspects of classical mechanics and quantum mechanics. The last chapter is devoted to non-linear oscillatory systems. Topics covered include the Lagrangian formalism, the Hamiltonian formalism, decay and scattering processes, kinematics and dynamics of rigid body motion, the special theory of

relativity, relativistic classical mechanics, continuous systems and classical fields.

Technology and Applications of Amorphous Silicon

Comdex Professional Edition is specially designed for software explorers who want to take next higher step towards mastering Windows Vista and MS Office 2007. Simple language, easy to read layout, tooltips and detailed description of minute settings set this book at par. Not this much, the self learning tutorial (world acclaimed) test your skills and correct whenever you made a mistake.

Digital Electronics (Digital Logic Design)

This book gives the first systematic and complete survey of technology and application of amorphous silicon, a material with a huge potential in electronic applications. The book features contributions by world-wide leading researchers in this field.

Engineering Materials

Amorphous Solid Dispersions

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Learn modern-day technologies from modern-day technical giants DESCRIPTION
The aim of this book is to help the readers understand the concept of artificial intelligence and deep learning methods and implement them into their businesses and organizations. The first two chapters describe the introduction of the artificial intelligence and deep learning methods. In the first chapter, the concept of human thinking process, starting from the biochemical responses within the structure of neurons to the problem-solving steps through computational thinking skills are discussed. All chapters after the first two should be considered as the study of different technological and Artificial Intelligence giants of current age. These chapters are placed in a way that each chapter could be considered a separate study of a separate company, which includes the achievements of intelligent services currently provided by the company, discussion on the business model of the company towards the use of the deep learning technologies, the advancement of the web services which are incorporated with intelligent capability introduced by company, the efforts of the company in contributing to the development of the artificial intelligence and deep learning research. KEY FEATURES Real-world success and failure stories of artificial intelligence explained Understand concepts of artificial intelligence and deep learning methods Learn how to use artificial intelligence and deep learning methods Know how to prepare dataset and implement models using industry leading Python packages You'll be able to apply and analyze the results produced by the models for prediction WHAT WILL YOU

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LEARN How to use the algorithms written in the Python programming language to design models and perform predictions in general datasets Understand use cases in different industries related to the implementation of artificial intelligence and deep learning methods Learn the use of potential ideas in artificial intelligence and deep learning methods to improve the operational processes or new products and how services can be produced based on the methods WHO THIS BOOK IS FOR This book is targeted to business and organization leaders, technology enthusiasts, professionals, and managers who seek knowledge of artificial intelligence and deep learning methods. Table of Contents Artificial Intelligence and Deep Learning Data Science for Business Analysis Decision Making Intelligent Computing Strategies By Google Cognitive Learning Services in IBM Watson Advancement web services by Baidu Improved Social Business by Facebook Personalized Intelligent Computing by Apple Cloud Computing Intelligent by Microsoft

I Am a Troll

A modern take on microelectronic device engineering Microelectronics is a 50-year-old engineering discipline still undergoing rapid evolution and societal adoption. Integrated Microelectronic Devices: Physics and Modeling fills the need for a rigorous description of semiconductor device physics that is relevant to modern nanoelectronics. The central goal is to present the fundamentals of semiconductor device operation with relevance to modern integrated microelectronics. Emphasis

is devoted to frequency response, layout, geometrical effects, parasitic issues and modeling in integrated microelectronics devices (transistors and diodes). In addition to this focus, the concepts learned here are highly applicable in other device contexts. This text is suitable for a one-semester junior or senior-level course by selecting the front sections of selected chapters (e.g. 1-9). It can also be used in a two-semester senior-level or a graduate-level course by taking advantage of the more advanced sections.

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