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Publication
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**GIOVANNA
OCONNOR**

*From Hacking
to Report*

*Writing S.
Chand
Publishing*
This detailed
introduction to
transportation
engineering is

designed to
serve as a
comprehensiv
e text for
under-
graduate as
well as first-

year master's students in civil engineering. In order to keep the treatment focused, the emphasis is on roadways (highways) based transportation systems, from the perspective of Indian conditions. Principles of Operating Systems Firewall Media Learn everything you need to know to become a professional security and penetration tester. It simplifies

hands-on security and penetration testing by breaking down each step of the process so that finding vulnerabilities and misconfigurations becomes easy. The book explains how to methodically locate, exploit, and professionally report security weaknesses using techniques such as SQL-injection, denial-of-service attacks, and password hacking. Although From Hacking to

Report Writing will give you the technical know-how needed to carry out advanced security tests, it also offers insight into crafting professional looking reports describing your work and how your customers can benefit from it. The book will give you the tools you need to clearly communicate the benefits of high-quality security and penetration testing to IT-management, executives

and other stakeholders. Embedded in the book are a number of on-the-job stories that will give you a good understanding of how you can apply what you have learned to real-world situations. We live in a time where computer security is more important than ever. Staying one step ahead of hackers has never been a bigger challenge. From Hacking to Report Writing clarifies how

you can sleep better at night knowing that your network has been thoroughly tested. What you'll learn Clearly understand why security and penetration testing is important Find vulnerabilities in any system using the same techniques as hackers do Write professional looking reports Know which security and penetration testing method to apply for any given situation

Successfully hold together a security and penetration test project Who This Book Is For Aspiring security and penetration testers, security consultants, security and penetration testers, IT managers, and security researchers. **How to Make Money Trading with Candlestick Charts** Technical Publications The importance of various electrical machines is well known in the various

engineering fields. The book provides comprehensive coverage of the magnetic circuits, magnetic materials, single and three phase transformers and d.c. machines. The book is structured to cover the key aspects of the course Electrical Machines - I. The book starts with the explanation of basics of magnetic circuits, concepts of self and mutual inductances and important

magnetic materials. Then it explains the fundamentals of single phase transformers including the construction, phasor diagram, equivalent circuit, losses, efficiency, methods of cooling, parallel operation and autotransformer. The chapter on three phase transformer provides the detailed discussion of construction, connections, phasor groups, parallel

operation, tap changing transformer and three winding transformer. The various testing methods of transformers are also incorporated in the book. The book further explains the concept of electromechanical energy conversion including the discussion of singly and multiple excited systems. Then the book covers all the details of d.c. generators including construction,

armature reaction, commutation, characteristics , parallel operation and applications. The book also includes the details of d.c. motors such as characteristics , types of starters, speed control methods, electric braking and permanent magnet d.c. motors. Finally, the book covers the various testing methods of d.c. machines including Swinburne's test, brake test,

retardation test and Hopkinson's test. The book uses plain, lucid language to explain each topic. The book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy. Each chapter is well supported with necessary illustrations, self-explanatory diagrams and variety of solved problems. All the chapters

are arranged in a proper sequence that permits each topic to build upon earlier studies. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting. Control System Engineering Technical Publications This second edition is a practical step-by-step guide to improving skills in analysis, critical

thinking, and the effective communication of arguments and explanations. Barbarian Alien S. Chand Publishing The book has been developed to provide comprehensive and consistent coverage of both the concepts of data structures as well as implementation of these concepts using C programming. The book utilizes a systematic approach

wherein each data structure is explained using examples followed by its implementation using a programming language. It begins with the introduction to data types. In this, an overview of various types of data structures is given and asymptotic notations, best case, worst case and average case time complexity is discussed. The book then focuses on the linear data structures

such as arrays, stacks, queues and linked lists. In these units each concept is followed by its implementation and logic explanation part. The book then covers the non-linear data structures such as trees and graphs. These data structures are very well explained with the help of illustrative diagrams, examples and implementations. The text book then covers two important topics -

hashing and file structures. While explaining the hashing - various hashing methods, and collision handling techniques are explained with necessary illustrations and examples. File structures are demonstrated by implementing sequential, index sequential and random file organization. Finally searching and sorting algorithms, their implementatio

n and time complexities are discussed. The sorting and searching methods are illustrated systematically with the help of examples. The explanation in this book is in a very simple language along with clear and concise form which will help the students to have clear-cut understanding of the subject. **Analysis and Design of Algorithms** Cambridge University Press "The integration of

electronic engineering, electrical engineering, computer technology and control engineering with mechanical engineering -- mechatronics -- now forms a crucial part in the design, manufacture and maintenance of a wide range of engineering products and processes. This book provides a clear and comprehensive introduction to the application of electronic control

systems in mechanical and electrical engineering. It gives a framework of knowledge that allows engineers and technicians to develop an interdisciplinary understanding and integrated approach to engineering. This second edition has been updated and expanded to provide greater depth of coverage." -
 - Back cover.
Inside the Machine
 Notion Press
 Twelve humans are left stranded on a wintry

alien planet. I'm one of them. Yay, me. In order to survive, we have to take on a symbiont that wants to rewire our bodies to live in this brutal place. I like to call it a cootie. And my cootie's a jerk, because it also thinks I'm the mate to the biggest, surliest alien of the group. -
 - This edition of BARBARIAN ALIEN is the complete story.
 BARBARIAN ALIEN is a sequel to ICE PLANET BARBARIANS.
 You do not

have to read both in order to understand the plot, but the story will be richer if you do!
Electrical Machines - I
 Vikas Publishing House
 There are eight chapters, useful appendix and solved question papers in the book. Basic digital communication, line codes and sampling methods are presented at the beginning. Digital pulse modulation techniques such as PCM,

DPCM, DM, ADM are presented. Continuous wave digital modulation methods such as BPSK, DPSK, QPSK, QAM, BFSK and OOK are presented with mathematical analysis of modulators and receivers. Issues related to baseband transmission such as ISI, Nyquist pulse shaping criterion, optimum reception, matched filter and eye patterns are also discussed. Concepts of

information theory such as discrete memoryless channels, mutual information, shannon's theorems on source coding are also presented. Coding using linear block codes, cyclic codes and convolutional coding is also discussed. Secured communication using spread spectrum modulation is also discussed in detail. **Digital Electronics** Laxmi Publications, Ltd. This well-

organized textbook provides the design techniques of algorithms in a simple and straight forward manner. The book begins with a description of the fundamental concepts such as algorithm, functions and relations, vectors and matrices. Then it focuses on efficiency analysis of algorithms. In this unit, the technique of computing time complexity of the algorithm

is discussed along with illustrative examples. Gradually, the text discusses various algorithmic strategies such as divide and conquer, dynamic programming, Greedy algorithm, backtracking and branch and bound. Finally the string matching algorithms and introduction to NP completeness is discussed. Each algorithmic strategy is explained in stepwise

manner, followed by examples and pseudo code. Thus this book helps the reader to learn the analysis and design of algorithms in the most lucid way. *Kinematics of Machinery* Technical Publications S. Chand's Physics, designed to serve as a textbook for students pursuing their engineering degree course, B.E. in Gujarat Technical University. The book is written with

the singular objective of providing the students of GTU with a distinct source material as per the syllabus. The philosophy of presentation of the material in the book is based upon decades of classroom interaction of the authors. In each chapter, the fundamental concepts pertinent to the topic are highlighted and the in-between continuity is emphasized. Throughout the book attention is

given to the proper presentation of concepts and practical applications are cited to highlight the engineering aspects. A number of problems are solved. New problems are included in order to expedite the learning process of students of all hues and to improve their academic performance. The fundamental concepts are emphasized in each chapter and the details are developed in

an easy-to-follow style. Each chapter is divided into smaller parts and sub-headings are provided to make the reading a pleasant journey from one interesting topic to another important topic. Mechatronics Oxford University Press, USA Based on the authors' market leading data structures books in Java and C++, this textbook offers a comprehensive

e, definitive introduction to data structures in Python by authoritative authors. Data Structures and Algorithms in Python is the first authoritative object-oriented book available for the Python data structures course. Designed to provide a comprehensive introduction to data structures and algorithms, including their design, analysis, and implementation, the text will maintain the

same general structure as Data Structures and Algorithms in Java and Data Structures and Algorithms in C++.

Environmental Studies

Technical Publications
This book is designed based on revised syllabus of Gujarat Technological University, Gujarat (AICTE model curriculum) for undergraduate (B.Tech/BE) students of all branches, those who study Basic Electrical

Engineering as one of the subject in their curriculum. The primary goal of this book is to establish a firm understanding of the basic laws of Electric Circuits, Network Theorems, Resonance, Three-phase circuits, Transformers, Electrical Machines and Electrical Installation. *Basic Electrical Engineering* Technical Publications
The book intended

exclusively for the usage of students, teachers and persons who are related to competitive exams. The book is based on our experience over the past 8 years and design on the basis of current competitive level of Engineering like IIT JEE mains/ Advanced, MHT-CET, BITSAT + NTSE, KVPY, Olympiad, IIT Foundation + CAT and other state engineering exams in India, where

1194938 i.e. around 12 Lakh of students (Year 2016) write a single engineering exam. As an educator, I understand the student's need of these topics and the difficulties faces by students in transition from standard 10th to 11th class. As students enter their 11th standard, they find a substantial change in the course content and level of difficulty. They find some totally new concepts of Mathematics, widely used in Physics and Chemistry. They may be completely unfamiliar with concepts of absolute value, Interval Methods, Set Notation, inequalities etc. The book has been prepared for them to learn the concepts of algebra from basic to advanced level of thinking. The book is prepared to serve as a bridge for 10th to 11th standards, CAT aspirants etc. Software engineers can also be in benefit in writing the code due to concepts clarity. The book contains the following Learning Methodology.

- (i) Basic concepts and easy learning.
- (ii) Necessary examples and experiments for beginners level to expert.
- (iii) Psychology of student's brain and their thinking.
- (iv) Pictorial view of problems and solutions.
- (v) Challenging problems (Ultimate Finish - for Top All India

Rankers between 1 - 500). (vi) Exercises and Assignments to test the understanding and growing knowledge. (vii) Sample Test Paper to have experience before actual exam. (viii) Puzzles and interactive learning to keep interest. (ix) How to make notes to up-to-date and add your thinking inside the book. (x) Archive of IIT-JEE Mains/Advanced. (xi) All types of questions (Single and

Multi-correct, Integer Type, Comprehension, Assertion-reason, Matrix-Match) i.e Subjective and Objective both.
Calculus
 Oxford University Press, USA
 Analysis of signals is given in first chapter.
 Types of signals, properties of systems are also presented.
 Second chapter presents Fourier series analysis. Its properties are also discussed.
 Fourier

transform is given in third chapter, along with its properties.
 The transmission of signals through linear systems is given in fourth chapter.
 Realizability and distortion less transmission is also discussed.
 Fifth chapter discusses, convolution, its properties and impulse response properties of LTI systems.
 Causality and stability are discussed.
 Autocorrelation and cross correlation is

also given. Energy spectral density and power spectral density along with their properties are also given. Sampling principles and types are given in sixth chapter. Chapter seventh and eighth presents Laplace transforms and z-transforms in detail. Their properties, inversion and applications to LTI systems are analyzed in detail. Relationships among transforms are

also given. All the concepts are supported with lot of solved examples. **A First Course in Continuum Mechanics S.** Chand Publishing The book is written for an undergraduate course on the Feedback Control Systems. It provides comprehensive explanation of theory and practice of control system engineering. It elaborates various aspects of time domain and frequency domain

analysis and design of control systems. Each chapter starts with the background of the topic. Then it gives the conceptual knowledge about the topic dividing it in various sections and subsections. Each chapter provides the detailed explanation of the topic, practical examples and variety of solved problems. The explanations are given using very simple and lucid

language. All the chapters are arranged in a specific sequence which helps to build the understanding of the subject in a logical fashion. The book starts with explaining the various types of control systems. Then it explains how to obtain the mathematical models of various types of systems such as electrical, mechanical, thermal and liquid level systems. Then the book includes good

coverage of the block diagram and signal flow graph methods of representing the various systems and the reduction methods to obtain simple system from the analysis point of view. The book further illustrates the steady state and transient analysis of control systems. The book covers the fundamental knowledge of controllers used in practice to optimize the performance

of the systems. The book emphasizes the detailed analysis of second order systems as these systems are common in practice and higher order systems can be approximated as second order systems. The book teaches the concept of stability and time domain stability analysis using Routh-Hurwitz method and root locus method. It further explains the fundamentals of frequency

domain analysis of the systems including co-relation between time domain and frequency domain. The book gives very simple techniques for stability analysis of the systems in the frequency domain, using Bode plot, Polar plot and Nyquist plot methods. It also explores the concepts of compensation and design of the control systems in time domain and frequency domain. The classical

approach loses the importance of initial conditions in the systems. Thus, the book provides the detailed explanation of modern approach of analysis which is the state variable analysis of the systems including methods of finding the state transition matrix, solution of state equation and the concepts of controllability and observability. The variety of solved

examples is the feature of this book which helps to inculcate the knowledge of the design and analysis of the control systems in the students. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting. Applied Thermodynamics Pearson Education India Advanced Java is a textbook specially designed for

undergraduate and post graduate students of Computer Science. It focuses on developing the applications both at basic and moderate level. This text book is divided into seven units. The first unit introduces Java network programming. In this unit along with the basic concepts of networking, the programming using Sockets, InetAddress, URL and URLConnection class is discussed in a

lucid manner. The second unit is based on JDBC programming. In this unit, connecting with the database is discussed with examples and illustrations. Then next two chapters focuses on server side programming by means of Servlet programming and JSP. In third unit, the illustration of how to create and execute servlets is given. Then the concept of cookies and session management is discussed.

In the next subsequent unit the Java Server Pages - its overview and programming is studied. In the last three units the advanced concepts of Java programming such as JSF, Hibernate and Java Web Framework : Spring is discussed. The contents of this textbook is supported with numerous illustrations, examples, program codes, and screenshots. With its lucid presentation

and inclusion of numerous examples the book will be very useful for the readers.

Manufacturing Processes No Starch Press Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily *Smart*

Thinking Technical Publications Japanese rice traders have successfully used candle signals to amass huge fortunes for nearly four centuries. Constantly refined and tested over time, candlestick signals are now being used the world over for trading all financial markets, including stocks, derivatives and currencies, etc. This book explains step-by-step how

you can make money by trading the powerful and proven candlestick techniques. Here is how: ● Explanation of major candle signals; how to recognize them and use them effectively ● The underlying market psychology revealed by each candle formation ● How to combine candlestick signals with Western technical analysis to take advantage of high

probability trades which generate explosive profits ● Stop loss settings for various candlestick signals for cutting losses. Master this and you will be way ahead of fellow traders ● How the use of candlesticks with technical analysis provides a simple mechanical trading system which eliminates emotional interference, panic and greed ● How to use candlestick charts for

making money from longer term trading and investing ● PLUS: Proven, market-tested trading ideas tips and common mistakes to avoid based on the author's rich experience of trading stocks and options. This book will enable both new traders and experienced traders derive systematic and consistent profits from the market by adding candlestick charting to their trading arsenal.

REVIEWS FOR THE BOOK
 "Educative addition to the technical trader's shelf."
 — The Hindu Business Line
 "Clearly explains and reinforces the message of each candlestick pattern, pointing out other details that can help determine success or failure at each occurrence. The real life examples are manifold, well chosen and amplify the lessons being taught. Highly recommended reading for traders in all

markets to discover ways of profiting from candlestick trading." — Alan Northcott "Sadekar's book not only manages to live upto the expectations but probably excels them. Sadekar attempts to keep things simple, and targets the beginner to intermediate level technician as his target audience. Each type of reversal, consolidation and continuation pattern is tackled in

individual chapters and illustrated liberally with charts of Indian stocks. The author leaves ample strategies for the not so active trader, also combining Dow theory tools like trend lines, oscillators and moving averages with the oriental techniques. This gives the reader an immediate advantage of getting the best of both the worlds. While all chapters are interesting read, chapters

11 & 12 are the highlights of the book as they lay out a simple but actionable game plan for a trader and investor. As if the overall package was not sweet enough, Sadekar has compiled a tear-away candlestick ready-reckoner at the end of the book to identify emerging patterns in real time. At its price, the book is a value buy. All in all, a must read book for every freshman

candle sticks
trader." —
Vijay L.
Bhambwani,
Technical
Analyst, CEO -
BSPLIndia.com
Data
Structures and
Algorithms in
Python
Pearson
Education
India
The
fundamentals
and
implementatio
n of digital
electronics are
essential to
understanding
the design
and working of
consumer/ind
ustrial
electronics,
communicatio
ns, embedded
systems,
computers,
security and

military
equipment.
Devices used
in applications
such as these
are constantly
decreasing in
size and
employing
more complex
technology. It
is therefore
essential for
engineers and
students to
understand
the
fundamentals,
implementatio
n and
application
principles of
digital
electronics,
devices and
integrated
circuits. This is
so that they
can use the
most
appropriate
and effective

technique to
suit their
technical
need. This
book provides
practical and
comprehensiv
e coverage of
digital
electronics,
bringing
together
information on
fundamental
theory,
operational
aspects and
potential
applications.
With worked
problems,
examples, and
review
questions for
each chapter,
Digital
Electronics
includes:
information on
number
systems,
binary codes,

digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocesso

rs, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers. Physics (Group 1) OUP India

The book strictly complies with the new syllabus of Gujrat Technological University, Ahmedabad, for B.E. First year of all braches of Engineering. The subject matter is presented in a graded stepwise, easytofollow style. Each chapter includes MultipleChoice Questions, Review Questions and Exercises for easy recapitulation.