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The Importance Of Environmental Studies Cannot Be
Disputed Since The Need For Sustainable Development Is A
Key To The Future Of Mankind. Recognising This, The
Honourable Supreme Court Of India Directed The Ugc To
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Undergraduate Courses In All Disciplines, To Be Implemented By Every University In The Country. Accordingly, The Ugc Constituted An Expert Committee To Formulate A Six-Month Core Module Syllabus For Environmental Studies. This Textbook Is The Outcome Of The Ugc S Efforts And Has Been Prepared As Per The Syllabus. It Is Designed To Bring About An Awareness On A Variety Of Environmental Concerns. It Attempts To Create A Pro-Environmental Attitude And A Behavioural Pattern In Society That Is Based On Creating Sustainable Lifestyles And A New Ethic Towards Conservation. This Textbook Stresses On A Balanced View Of Issues That Affect Our Daily Lives. These Issues Are Related To The Conflict Between Existing `Development

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Environment. Unit 8 Is Based On Field Activities To Be Covered In 5 Lecture Hours And Would Provide Students With First Hand Knowledge On Various Local Environmental Issues.

About the Book: Of late, academicians of technical education have felt the importance of "Management" and "Entrepreneurship". Engineers need to manage their departments/sections/subordinates, and Entrepreneurship helps the large pool of technical manpower in developing small-scale industries in high tech areas thereby contributing to the economy of the country. This book covers both 'Management' and 'Entrepreneurship'. The first chapters of this book deal with Management, Planning, Organizing and Staffing,

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Directing and Controlling. The last four chapters deal with Entrepreneurship, Small-Scale Industries, Institutional support and Project formulation. Adequate number of simple examples with which the students are familiar are included in each chapter. In addition, each chapter contains student learning activities to give the readers a chance to enhance the learning process. Though the book is written keeping in mind the syllabus of Visvesvaraya Technological University, yet it is useful for B.Com, BBM, DBM, PGDBM and MBA students also. Contents: Management Planning Organizing and Staffing Directing and Controlling Entrepreneurship Small-Scale Industries Institutional Support Preparation of Project. Digital Techniques

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professionals and researchers of all Indian as well as global universities/Institutions. For any queries, suggestions or guidance, mail me at "svkaware@yahoo.co.in". keep watching keep learning. For more updates subscribe to my channel on YouTube as "Tech_Guru Swapnil Kaware".....

Electrical power transmission and distribution are an important area of electrical engineering. This book on

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electrical power transmission and distribution takes into account the layout, design and manufacture of components that form an electrical grid. There has been rapid progress in this field and its applications are finding their way across multiple industries. Contents included in this book aim to facilitate a comprehensive knowledge in the fields of electrical engineering and efficient electricity generation and consumption. This book

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is a vital tool for all researching or studying electricity transmission as it gives incredible insights into emerging trends and concepts. The readers would gain knowledge that would broaden their perspective about this field.

The basic objective of this book is to bridge the gap between the vast contents of the reference books, written by the renowned Intertiol Authors and the concise requirements of Undergraduate Students. This book has

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been written in a comprehensive manner using Simple and Lucid language, keeping in mind students' requirements. The main emphasis has been given on exploring the basic concepts rather than merely the Information. Solved Examples, Summary and Exercises have been provided throughout the book and at the end of the Unit. Also I have given Model Question Papers for practice at the end of book.

A TEXTBOOK OF ENGINEERING CHEMISTRY

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Management and Entrepreneurship
Basic Electrical Engineering
Fundamental of Chemical Engineering
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(Russia) (for the December 2017 and
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With A Clarity, Which Render The Text Easily Understandable By Engineers And Students Alike. Steering A Middle Course Between Fundamental And Advanced Theory, The Subject Is Treated In Sufficient Depth To Allow General Application To Active Circuits Throughout, Thereby Offering Engineers A Critical Approach To Circuit Analysis. In Setting Out Five Major Computer Programs In The Form Of Useful Design Tools, The Author Places His Emphasis On Analysis Technique And Application. The Programs, Written In Basic

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And Described In Relation To Theory So That They Can Be Understood, Modified And Easily Transferred To Other Computer Systems; Cover All The Main Analysis Requirements. The Circuit Theory On Which The Five Programs Are Based Is Also Utilized In Extended Form By Many Other Large Circuit Analysis Programs Readily Available At Computer Centres, Allowing Designers To Make Full Use Of Such Programs Without Reference To Specialized Cad Texts. Features Include: A Much-Improved Presentation Of Two-Port Analysis

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Through The Use Of Wiring Operators, And Discussion On The Growing Use Of Computer Programs For Transfer Function Analysis Both In The S-Domain And Symbolically. There Is A Careful And Lucid Treatment Of Sensitivity Analysis, And An Important Chapter On Tolerance Analysis, Including Integrated Circuit Tolerances. This book is intended as an undergraduate text introducing matrix methods as they relate to engineering problems. It begins with the fundamentals of mathematics of matrices and determinants. Matrix inversion

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is discussed, with an introduction of the well known reduction methods. Equation sets are viewed as vector transformations, and the conditions of their solvability are explored. Orthogonal matrices are introduced with examples showing application to many problems requiring three dimensional thinking. The angular velocity matrix is shown to emerge from the differentiation of the 3-D orthogonal matrix, leading to the discussion of particle and rigid body dynamics. The book continues with the eigenvalue problem and its

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application to multi-variable vibrations. Because the eigenvalue problem requires some operations with polynomials, a separate discussion of these is given in an appendix. The example of the vibrating string is given with a comparison of the matrix analysis to the continuous solution.

Table of Contents: Matrix Fundamentals / Determinants / Matrix Inversion / Linear Simultaneous Equation Sets / Orthogonal Transforms / Matrix Eigenvalue Analysis / Matrix Analysis of Vibrating Systems

This treatise on Engineering Materials and

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Metallurgy contains comprehensive treatment of the matter in simple, lucid and direct language and envelopes a large number of figures which reinforce the text in the most efficient and effective way. The book comprise five chapters(excluding basic concepts)in all and fully and exhaustively covers the syllabus in the above mentioned subject of 4th.Semester Mechanical,Production,Automobile Engineering and 2nd semester Mechanical disciplines of Anna University. Algebraic, Stochastic and Analysis

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Structures for Networks, Data Classification and Optimization

Basic Electronics

MCQs in Microbiology

Getting Started with MATLAB 5

A Textbook of Engineering Mechanics

SSC Junior Engineer Civil & Structural Engineering Recruitment Exam Guide This new edition adds 2 new papers of 2017 & 3 new chapters in the Technical Section - Building Materials, Estimating, Costing & Valuation & Environmental Engineering. The book is divided into 3 Units (Civil & Structural

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Engineering, General Intelligence & Reasoning and General Awareness) & 44 Chapters. All the chapters contain detailed theory along with solved examples. Exhaustive question bank at the end of each chapter is provided in the form of Exercise. Solutions to the Exercise have been provided at the end of each chapter. Solved Question paper of SSC Junior Engineer Civil & Structural 2017 (2 papers), 2016, 2015 & 2014 have been provided for students to understand the latest pattern and level of questions.

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and flammability, as well as dyeing and colouring tests and key issues in testing textile samples. With its distinguished editor and international team of contributors Fabric testing is a valuable resource for designers, technologists, quality inspectors and testing institutes in the textile industry. It is also relevant for academics and students within the textile field. Reviews various types of fabric tests including fabric composition and fabric chemical testing Discusses the scope, significance and statistical analysis of fabric testing Assesses the importance of

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fabric testing to both product quality and industry standard compliance

Modern Surveying is unimaginable without the use of electronic equipment and information technology. Surveying with conventional systems has been completely replaced with advanced automated systems. Total Station, Global Positioning System (GPS), Remote Sensing and Geographical Information System (GIS) have all become an inextricable part of surveying. Advanced Surveying: Total Station, GIS and Remote Sensing provides a thorough working knowledge of these technologies.

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Matrices in Engineering Problems

PRINCIPLES OF ELECTRICAL MACHINE DESIGN

PETROLEUM AND PETROCHEMICAL TECHNOLOGY

(22611)

ARTIFICIAL INTELLIGENCE (ELECTIVE - V)

This manual is specially written for Students who are interested in understanding Structured Query Language and PL-SQL concepts in the Computer Engineering and Information technology field and wants to gain enhance knowledge about power of SQL Language in Relational Database Management System Development. The manual covers practical point of view in all aspects of SQL and PL/SQL including DDL, DML, DCL

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sublanguages, also there are practices for Views, Group by, Having Clause. All PL-SQL concepts like Condition and Loop Structures, Functions and Procedures, Cursor, Triggers, Locks are illustrated using best examples

Seifert and Threlfall, A Textbook of Topology

Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other format" on amazon, or by searching its isbn:

1534970746 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern

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Colorado. This course serves both as an introduction to topics in discrete math and as the "introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also Investigate! activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the

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(SAMPLE) SSC Junior Engineer Civil & Structural
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This book highlights the latest advances in engineering mathematics with a main focus on the mathematical models, structures, concepts, problems and computational methods and algorithms most relevant for applications in modern technologies and engineering. It addresses mathematical methods of algebra, applied matrix analysis, operator analysis, probability theory and stochastic processes, geometry and computational methods in network analysis, data classification, ranking and optimisation. The individual chapters cover both theory and applications, and include a wealth of

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figures, schemes, algorithms, tables and results of data analysis and simulation. Presenting new methods and results, reviews of cutting-edge research, and open problems for future research, they equip readers to develop new mathematical methods and concepts of their own, and to further compare and analyse the methods and results discussed. The book consists of contributed chapters covering research developed as a result of a focused international seminar series on mathematics and applied mathematics and a series of three focused international research workshops on engineering

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mathematics organised by the Research Environment in Mathematics and Applied Mathematics at Mälardalen University from autumn 2014 to autumn 2015: the International Workshop on Engineering Mathematics for Electromagnetics and Health Technology; the International Workshop on Engineering Mathematics, Algebra, Analysis and Electromagnetics; and the 1st Swedish-Estonian International Workshop on Engineering Mathematics, Algebra, Analysis and Applications. It serves as a source of inspiration for a broad spectrum of researchers and research students in

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applied mathematics, as well as in the areas of applications of mathematics considered in the book.

Applied Chemistry Theory And Practice

PRAGATI M.P.S.C. STATE SERVICES PRELIMINARY EXAMINATION PAPER - I

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OMCVD. Some fundamentally new and wide-ranging applications have been introduced in recent times. Experimental and modeling studies regarding deposition kinetics, operating conditions and transport as well as properties of films produced by PVD, CVD and PECVD are discussed. The thirty papers in this volume report on many other significant topics also. Research workers involved in these aspects of materials technology may find here some new perspectives with which to augment their projects.

This book aims at providing a complete coverage of the needs of First Year students

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as per S.B.T.E's. revised syllabus. The entire revised syllabus has been covered keeping in view the non-availability of the complete subject matter through a single source. The difficult articles have been explained in a simple language providing, wherever necessary, neat and well explained diagrams so that even an average student may be able to follow it independently. A sufficient number of solved examples and problems with answers and SBTE questions are given at the end of each topic. Formulae specifying symbol meaning are enlisted before solving the examples.

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The Definite Integral

The Scientist and Engineer's Guide to Digital Signal Processing

Seifert and Threlfall, A Textbook of Topology

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For close to 30 years, [Basic Electrical Engineering] has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all

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Electrical Power Transmission and Distribution

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This book introduces the Special Issue entitled “Applications of Internet of Things”, of ISPRS International Journal of Geo-Information. Topics covered

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in this issue include three main parts: (I) intelligent transportation systems (ITSs), (II) location-based services (LBSs), and (III) sensing techniques and applications. Three papers on ITSs are as follows: (1) "Vehicle positioning and speed estimation based on cellular network signals for urban roads," by Lai and Kuo; (2) "A method for traffic congestion clustering judgment based on grey relational analysis," by Zhang et al.; and (3) "Smartphone-based pedestrian's avoidance behavior recognition towards opportunistic road anomaly detection," by Ishikawa and Fujinami. Three papers on LBSs are as follows: (1) "A high-efficiency method of mobile positioning based on commercial vehicle operation data," by Chen et al.; (2) "Efficient

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location privacy-preserving k-anonymity method based on the credible chain,” by Wang et al.; and (3) “Proximity-based asynchronous messaging platform for location-based Internet of things service,” by Gon Jo et al. Two papers on sensing techniques and applications are as follows: (1) “Detection of electronic anklet wearers’ groupings throughout telematics monitoring,” by Machado et al.; and (2) “Camera coverage estimation based on multistage grid subdivision,” by Wang et al. The basic objective of this book is to bridge the gap between the vast contents of the reference books, written by the renowned Intertiol Authors and the concise requirements of Undergraduate Students. This book has been written in a comprehensive manner using Simple

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and Lucid language, keeping in mind students' requirements. The main emphasis has been given on exploring the basic concepts rather than merely the Information. Solved Examples and Exercises have been provided throughout the book and at the end of the Unit. Also we have given Model Question Papers for practice at the end of book.

Advanced Surveying: Total Station, Gis and Remote Sensing

Applications of Internet of Things

Fabric Testing

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An Open Introduction