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Differential and Integral Calculus Oct 31 2020 The classic introduction to the fundamentals of calculus Richard Courant's classic text Differential and Integral Calculus is an essential text for those preparing for a career in physics or applied math. Volume 1 introduces the foundational concepts of "function" and "limit", and offers detailed explanations that illustrate the "why" as well as the "how". Comprehensive coverage of the basics of integrals and differentials includes their applications as well as clearly-defined techniques and essential theorems. Multiple appendices provide supplementary explanation and author notes, as well as solutions and hints for all in-text problems.

Mechanical Engineering (Objective Type) Jul 20 2022

Statistics for Economics - Class 11 - CBSE (2021-22) Jul 08 2021 The book has been designed topic and subtopic-wise, keeping the students' needs in mind. The current edition has certain unique features: Each chapter starts with a To Do list. It gives the central idea of the chapter and the way it has been addressed. Each chapter is divided into several sections corresponding to different components of the syllabus. Each chapter is splashed with HOTS. This is to promote clarity of the basics. Focus Zones in each chapter present a crux of the concepts. Blocks in each chapter include matter of special significance. Power Points and Revision Window offer a quick glance of the subject matter. 'Exercise' is tuned to the pattern of examination. Answers to important questions focus on the technique of writing. The exercise includes: objective type questions (remembering & understanding based questions), divided into five sections: (a) multiple choice questions, (b) fill in the blanks, (c) true or false, (d) matching the correct statements, (e) 'very short answer' objective type questions reason-based questions HOTS & applications analysis & evaluation CBSE questions (with answers or reference to the text for answers) NCERT questions (with hints to answers) miscellaneous and add-on questions (with hints or reference to the text for answers) Dos and Don'ts (at the end of each chapter) should serve as a safeguard against misinterpretation of the concepts. Ability Zone is a uniquely designed section at the end of the chapter. This raises the difficulty level, of course, but should serve as a useful material for the outstanding learners. Solved & Unsolved numericals are given to boost a grip on the subject.

Machine Design Nov 12 2021

Advanced Machining Processes Sep 29 2020

Introductory Microeconomics - Class 11 - CBSE (2021-22) Sep 22 2022 The book has been designed topic and subtopic-wise, keeping the students' needs in mind. The current edition has certain unique features: Each chapter starts with a To Do list. It gives the central idea of the chapter and the way it has been addressed. Each chapter is divided into several sections corresponding to different components of the syllabus. Each chapter is splashed with HOTS. This is to promote clarity of the basics. Focus Zones in each chapter present a crux of the concepts. Blocks in each chapter include matter of special significance. Power Points and Revision Window offer a quick glance of the subject matter. 'Exercise' is tuned to the pattern of examination. Answers to important questions focus on the technique of writing. The exercise includes: objective type questions (remembering & understanding based questions), divided into five sections: (a) multiple choice questions, (b) fill in the blanks, (c) true or false, (d) matching the correct statements, (e) 'very short answer' objective type questions reason-based questions HOTS & applications analysis & evaluation CBSE questions (with answers or

reference to the text for answers) NCERT questions (with hints to answers) miscellaneous and add-on questions (with hints or reference to the text for answers) Dos and Don'ts (at the end of each chapter) should serve as a safeguard against misinterpretation of the concepts. Ability Zone is a uniquely designed section at the end of the chapter. This raises the difficulty level, of course, but should serve as a useful material for the outstanding learners. Solved & Unsolved numericals are given to boost a grip on the subject.

Principles of Synchronous Digital Hierarchy Sep 10 2021 The book presents the current standards of digital multiplexing, called synchronous digital hierarchy, including analog multiplexing technologies. It is aimed at telecommunication professionals who want to develop an understanding of digital multiplexing and synchronous digital hierarchy, in particular, and the functioning of practical telecommunication systems, in general. The text includes all relevant fundamentals and provides a handy reference for problem solving or defining operations and maintenance strategies. The author covers digital conversion and TDM principles, line coding and digital modulation, signal impairments, and synchronization, as well as emerging systems.

Income Tax Law & Practice with GST Dr. R. K. Jain (25th Edition A.Y. 2020-21) Aug 29 2020 Main Highlights of Finance Act, 2020 1. Income Tax—An Introduction , 2. Important Definitions 3. Assessment on Agricultural Income 4. Exempted Incomes 5. Residence and Tax Liability 6. Income from Salaries 7. Income from Salaries (Retirement and Retrenchment) 8. Income from House Property 9. Depreciation 10. Profits and Gains of Business or Profession (Including : Special Provision for Computing Profits and Gain of Profession on Presumptive Basis) 11. Capital Gains 12. Income from Other Sources 13. Income Tax Authorities 14. Clubbing of Income and Aggregation of Income 15. Set-off and Carry Forward of Losses Deductions From Gross Total Income 17. Assessment of Individuals (Computation of Total Income) 18. Computation of Tax Liability of Individuals 19. Deduction of Tax at Source 20. Procedure of Assessment 21. Assessment of Firm and Association of Persons and Computation of Tax Liability Provisions and Procedure of Filing the Return of Income and e-Filing of Income Tax and TDS Returns | Supreme Court Leading Cases | GST—Concept, Registration and Taxation Mechanism | Rebate and Relief in Tax | Examination Papers

Advanced Engineering Mathematics Jul 28 2020 The fourth edition of this very successful book, based on the experience and notes of the authors while teaching mathematics courses to engineering students for more than three decades, emphasizes the fundamental and theoretical concepts. The key features of the book are illustrative examples and exercises that explain each theoretical concept. NEW TO THE FOURTH EDITION: Chapters on: * Condition number of a matrix and Singular Value Decomposition (Chapter 3) * Application of Z-transforms to find the sum of series (Chapter 17) * Cubic splines, B-splines, Romberg integration, Gauss quadrature rules and Two- point boundary value problems

Income Tax Law and Accounts Oct 19 2019 Who can buy? Students pursuing B.Com, BBA, M.Com, MBA and other commerce and professional courses. It is according to the syllabus of various universities. Income Tax Law and Accounts Book is the outcome of the desire to present the provisions Income Tax in a simple and easy language. All the relevant facts and provisions have been presented in such a way that even a common man may easily understand the provisions of Income Tax. Provisions of the Act have been explained with the help of formulae, clarifications, tables, illustrations etc. All the provisions of Income Tax applicable for the assessment year have been incorporated in the book (including provisions of Finance Act, 2019 and latest circulars issued by CBDT).

Civil Engineering Dec 13 2021

Mechanical Engineering Nov 19 2019

Machine Design [mechanical Engineering Design] Mar 24 2020

Taxation law & Accounts - SBPD Publications Feb 21 2020 Main Highlights of Finance Act, 2021 1. Income Tax- An Introduction, 2. Important

Definition, 3. Assessment on Agricultural Income, 4. Exempted Incomes, 5. Residence and Tax Liability, 6. Income From Salaries, 7. Income From Salaries (Retirement and Retrenchment), 8. Income From House Property, 9. Depreciation, 10. Profits and Gains of Business or profession, 11. Capital Gains, 12. Income From Other Sources, 13. Income Tax Authorities, 14. Clubbing of Income and Aggregation of Income, 15. Set-Off And Carry Forward of Losses, 16. Deductions From Gross Total Income, 17. Assessment of Individuals (Computation of Total Income), 18. Computation of Tax Liability of Individuals, 19. Deduction of Tax at Source, 20. Procedure of Assessment, 21. Penalties, Offences and Prosecution, 22. Appeal and Revision, 23. Tax - Planning, 24. Recovery and Refund of Tax, 25. Advance Payment of Tax, 26. Assessment of Hindu Undivided Family And Computation of tax Liability, 27. Assessment of Firm and Association of Persons and Computation of Tax Liability Capital and Revenue Expenditure and Receipts Rebate and Relief in Tax Provision and Procedure of Filings the Return of Income and e-Filing of Income Tax and TDS Returns. .

Text-book of Mechanical Engineering Feb 03 2021

A Textbook of Financial Education for CClass 7 Mar 04 2021 A Textbook of Financial Education

The Art of Happy Living Jun 26 2020 There is a natural longing in human beings for happiness. It is therefore important to understand what happiness is. Happiness is more likely to be ours if we know the reasons for unhappiness and avoid them. In today's materialistic world everybody feels the pinch of stress is beneficial, it needs to be managed for optimum results and happy living. This book also provides several tips for successful living. It is hoped that these will greatly help the readers in changing their daily lifestyle to lead a happy and peaceful life.

Electrical Engineering Jan 02 2021

Numerical Methods For Scientific And Engineering Computation Jun 19 2022

Handbook Series of Mechanical Engineering Apr 24 2020 Scope of science and technology is expanding at an exponential rate and so is the need of skilled professionals i.e., Engineers. To stand out of the crowd amidst rising competition, many of the engineering graduates aim to crack GATE, IES and PSUs and pursue various post graduate Programmes. Handbook series as its name suggests is a set of Best-selling Multi-Purpose Quick Revision resource books, those are devised with anytime, anywhere approach. It's a compact, portable revision aid like none other. It contains almost all useful Formulae, equations, Terms, definitions and many more important aspects of these subjects. Mechanical Engineering Handbook has been designed for aspirants of GATE, IES, PSUs and Other Competitive Exams. Each topic is summarized in the form of key points and notes for everyday work, problem solving or exam revision, in a unique format that displays concepts clearly. The book also displays formulae and circuit diagrams clearly, places them in context and crisply identifies and describes all the variables involved. Mechanics, Strength of Materials, Theory of Machine, Machine design, Fluid Mechanics, Heat and Mass Transfer, Thermodynamics, Power Plant Engineering, Refrigeration and Air Conditioning, Internal Combustion engine, Material Science and Production Engineering, Industrial Engineering, Element of Computation.

Distributed Energy Resources in Microgrids Apr 05 2021 Distributed Energy Resources in Microgrids: Integration, Challenges and Optimization unifies classically unconnected aspects of microgrids by considering them alongside economic analysis and stability testing. In addition, the book presents well-founded mathematical analyses on how to technically and economically optimize microgrids via distributed energy resource integration. Researchers and engineers in the power and energy sector will find this information useful for combined scientific and economical approaches to microgrid integration. Specific sections cover microgrid performance, including key technical elements, such as control design, stability analysis, power quality, reliability and resiliency in microgrid operation. Addresses the challenges related to the integration of renewable energy resources Includes examples of control algorithms adopted during integration Presents detailed methods of optimization to enhance successful integration

R.K. Jain's GST Law Manual (Set of 2 Vols.) – Acts, Rules, Forms with Ready Reckoner & 1000 Tips along with SGST, Circulars, Notifications & Advance Rulings | Amended up to 1st February 2022 Feb 15 2022 This book provides the complete, updated, amended & annotated text of all provisions of the GST Law. This book has been divided into eleven parts: • Part 1 – Ready Reckoner of GST Laws & Procedures & 1,000 Tips on GST • Part 2 – GST Acts • Part 3 – GST Rules • Part 4 – Reverse Charge Mechanism • Part 5 – Forms & Proformas • Part 6 – State GST & Compensation Cess • Part 7 – Circulars, Press Releases & Public Notices • Part 8 – Advance Ruling on GST • Part 9 – Notifications • Part 10 – Appeals & Revisions • Part 11 – Index to Notifications The Present Publication is the 15th Edition, authored by R.K. Jain, as upto 1st February 2022. The coverage of this book is as follows: • Ready Reckoner of GST Laws & Procedures & 1,000 Tips on GST o 1,000+ Tips for GST o 250 CBEC Solutions to GST Problems o Experts Guide on 9+ Topics o A to Z GST Laws & Procedure for Goods & Services – At a Glance in 190+ Pages o Date charts for your obligations under GST on 9+ Topics • GST Acts o CGST Act, 2017 o CGST (Extension to Jammu and Kashmir) Act, 2017 o IGST Act, 2017 o IGST (Extension to Jammu and Kashmir) Act, 2017 o UTGST Act, 2017 o GST (Compensation to States) Act, 2017 o Constitution (One Hundred and First Amendment) Act, 2016 • GST Rules o Rules under GST • Reverse Charge Mechanism for Goods & Services • Forms & Proformas • State GST & Compensation Cess • Circulars, Press Releases & Public Notices o Departmental Clarification, Flyers/Leaflets, Circulars, Public Notices & Press Release on GST • Advance Ruling on GST • Notifications o Notifications issued under CGST/IGST/UTGST/SGST (including issued by States) • Appeals & Revisions o GST Appellate Tribunal – Notifications & Order • Index to Notifications

Managing Research, Development and Innovation Dec 01 2020 Now fully revised and updated—the classic book on effective R&D management "This thoughtful and detailed work outlines what is required in order to achieve the desired end results in a networked world where teamwork and collaboration are increasingly important to globally dispersed workforces." —John Chambers, Chairman and CEO, Cisco Praise for the Second Edition "This is a superbly written book and could make an excellent reference and text for related university courses." —E. Lile Murphree, Jr., PhD, former Chairman, Department of Engineering Management, The George Washington University "Provides a superb exposition of the role that social and psychological phenomena play in today's organizations." —Fred E. Fiedler, Professor of Psychology Emeritus, University of Washington, Seattle As the economy shifts from producing goods to producing information, the role of researchers in shaping the future has become immense. By taking advantage of modern technology, the highly trained and predominantly autonomous researchers from around the globe collect and share information better than ever—yet, there is still a lack of an effective centralized structure for an R&D organization manager to integrate the efforts from many disparate individuals into a unified plan. Managing Research, Development, and Innovation, Third Edition covers the management skills and leadership theories essential to generating products and excelling in today's global economy. Topics of interest include how to design jobs, organize hierarchies, resolve conflicts, motivate employees, and create an innovative work environment. Discover how superior management skills can increase funding, generate profit, and improve the effectiveness of technologically based organizations. This new revised edition: Covers all aspects of the research and development process—with focus on the human management function Includes two new chapters covering the innovation process critical to research and development of new products and services Outlines the challenging issues related to diversity in science and technology organizations and provides insights as to how diversity can be used to enhance creativity Managing Research, Development, and Innovation, Third Edition is the most complete, insightful book of its kind. Useful for professionals and graduate students alike, the text demonstrates in clear, straightforward prose how good management skills will shape the future.

Engineering Mathematics Jan 14 2022

Numerical Methods (As Per Anna University) Jan 26 2023 About the Book: This comprehensive textbook covers material for one semester course on Numerical Methods (MA 1251) for B.E./ B. Tech. students of Anna University. The emphasis in the book is on the presentation of fundamentals and theoretical concepts in an intelligible and easy to understand manner. The book is written as a textbook rather than as a problem/guide book. The textbook offers a logical presentation of both the theory and techniques for problem solving to motivate the students in the study and application of Numerical Methods. Examples and Problems in Exercises are used to explain.

Advanced Engineering Mathematics Dec 25 2022 This work is based on the experience and notes of the authors while teaching mathematics courses to engineering students at the Indian Institute of Technology, New Delhi. It covers syllabi of two core courses in mathematics for engineering students.

Engineering Graphics and Design May 06 2021 This book covers complete syllabus of Engineering Graphics and Design along with AUTOCAD catering requirements of B.Tech. in Engineering The book is in easy to understand, simple English. It provides step-by-step solutions to problems along with suitable example and proper drawings. Using AutoCAD and Solid Work. All chapter make learning easy with unique features such as Summary, Solved examples and Practice Problems. Chapters have been organised to present data in concise format with suitable tables, diagrams, drawings and illustration.

Mechanical Engineering Handbook Jun 07 2021 This is a comprehensive book for quick reference and review of mechanical engineering topics in an objective type question/answer format. Contains over 6,000 questions with answers. Selected topics include thermodynamics, nuclear power, engineering materials, machine design, measurements and instruments, refrigeration, hydraulics, heat transfer, strength of materials, and more.

Numerical Methods Apr 17 2022

Production Technology Nov 24 2022

Measurement Science May 26 2020

Advanced Engineering Mathematics May 18 2022 This work is based on the experience and notes of the authors while teaching mathematics courses to engineering students at the Indian Institute of Technology, New Delhi. It covers syllabi of two core courses in mathematics for engineering students.

Engineering Metrology Feb 27 2023

Advanced Engineering Mathematics Oct 11 2021

Management of Research and Development Organizations Aug 21 2022 This edition has been completely revised. The authors, noted authorities in the field, focus on ways to improve R&D organization productivity and foster excellence in such companies. They describe how to design jobs, organize hierarchies, resolve conflicts, motivate employees, and create an innovative work environment. Features extensive cross-cultural coverage of European and Pacific Rim R&D organizations and policies which greatly differ from the US. Includes an entirely new section on various strategic planning elements unique to an R&D organization along with a case study.

Electrical Safety, Fire Safety Engineering & Safety Management Aug 09 2021

Flutter Complete Reference Jan 22 2020 Flutter is Google's UI toolkit for creating beautiful and native applications for mobile, desktop and web from a single Dart codebase. In this book we cover in detail the Dart programming language (version 2.10, with null safety support) and the Flutter framework (version 1.20). While reading the chapters, you'll find a lot of good practices, tips and performance advices to build high quality products. The book is divided in 3 parts. PART 1: It's about the Dart programming language (classes, exceptions, inheritance, null safety, streams, SOLID principles...). PART 2. It's about the Flutter framework (localization, routing, state management with Bloc and Provider, testing, performances with

DevTools, animations...). PART 3. It's a long collection of examples (using Firestore, monetizing apps, using gestures, networking, publishing packages at pub.dev, race recognition with ML kits, playing audio and video...). The official website of the book contains the complete source code of the examples and a "Quiz Game" to test your Dart and Flutter skills!

Objective Mechanical Engineering Oct 23 2022

Handbook of Mechanical Engineering Dec 21 2019 A concise book for candidates appearing for Mechanical Engineering Exams.

Engineering Metrology and Measurements Mar 16 2022 Engineering Metrology and Measurements is a textbook designed for students of mechanical, production and allied disciplines to facilitate learning of various shop-floor measurement techniques and also understand the basics of mechanical measurements.

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