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Satellite Communication Systems 2ed Alpha Science Int'l Ltd.
1. Understanding Physics Series Comprises of Total 5 Books
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Preferred Textbook for IIT JEE 6. Focused Study Material

with Applications Solving Skills 7. Includes New Pattern of Question from recent previous Exams IIT JEE has become a worldwide brand in the engineering institutions that has some of the best and brightest engineering students and career professionals. To make their way in this institution, every year lakhs of aspirants appear for IIT JEE Main and Advanced held by CBSE which tests the conceptual knowledge real-life application based problems on Physics, Chemistry, and Mathematics. Arihant 's Understanding Physics is one of the best selling series of books in Physics, since its first edition for the preparation of JEE Entrance. The first volume of this series deals with Mechanics providing the in-depth discussions on the Motion in one and two dimensions, the laws of motion, Work Energy and Power and Circular. Dividing the entire syllabus into 10 scoring Chapters, this book focuses on the concept

building along with solidifying the problem-solving skills. It is a must have book for anyone who are desiring to be firm footed in the concepts of physics as well as their applications in problem solving. TOC Basic Mathematics, Measurements and Errors, Experiments, Units and Dimensions, Vectors, Kinematics, Projectile Motion, Law Motion, Work, Energy and Power, Circular Motion.

Topology of Metric Spaces Ramesh Publishing House

As prospective Architecture students concerned with professional advancement, you are aware of the importance of good tools and backing of solid research. In this book, we offer you both. The book titled "Steps To Architecture" has been compiled to meet the requirements of students who wish to seek admission through NATA (National Aptitude Test in Architecture) conducted by COA (Council of Architecture) in India. It conforms to the latest test patterns and comprehensively covers each and every type of question which is encountered in the exams. The book covered both Drawing & Aptitude Test content as per New Pen and Paper Style. The drawings/sketches have been incorporated in this book so that the students may follow sketches perfectly coordinating the subject matter. In this book, numerous informative notes with sketches have been arranged to make students understand the subject. This is the only book presently in the market, which deals with each aspect of Architecture Entrance Exams and contains all relevant questions, making it exhaustive and complete in all respects.

Plane Trigonometry Arihant Publications India

limited

This immensely valuable book of Previous Years' Solved Papers is specially published for the aspirants of National Institute of Fashion Technology (NIFT) Admission Test. The book will serve well both as practice material & a true test of your studies and preparation with actual examquestions. The book comprises numerous questions in several Solved Previous Years' Papers which will prove extremely useful for you to be wellacquainted with the current exam pattern, the type of questions asked, and their appropriate answers. Detailed Explanatory Answers have also been provided for selected questions for your Better Understanding, study and selfpractice. The book is highly recommended to improve your problem solving skills, speed and accuracy, and help you prepare well by practising through these papers to face the exam with Confidence, Successfully. While this exhaustive practice material in the form of Previous Years' Papers is published with the sole aim of Paving the Way to your Success, your own intelligent practice, in Harmony with this, will definitely ensure you a Seat in the Prestigious Course leading you to a Magnificent Career in Fashion Technology.

What's It Like in Space? Passbooks

Philosophy: Made Simple, Second Edition provides information pertinent to the fundamental philosophical problems. This book discusses the developments in philosophy. Organized into seven chapters, this edition begins with an overview of the usage of philosophy in the interpretation or evaluation of what is important

or meaningful in life. This text then examines the intimate connections of political philosophy with ethics and with the social sciences. Other chapters consider some of the fundamental metaphysical problems that have persisted throughout the ages and examine the most popular metaphysical systems in the history of philosophy. This book discusses as well the aspect of philosophy that examines the intellectual questions that arise in considering religious views. The final chapter examines some of the main movements in modern philosophy. This book is a valuable resource for teachers as well as undergraduate and graduate students. Readers who are seeking the simplest introductions to philosophy will also find this book useful.

Complete Mathematics Radian Book Company

The book “ Chapter-wise Daily Practice Problem (DPP) Sheets for Chemistry NEET ” contains: 1. Carefully selected Questions (45 per DPP) in Chapter-wise DPP Sheets for Practice. 2. The book is divided into 30 Chapter-wise DPPs based on the NCERT. 3. Time Limit, Maximum Marks, Cutoff, Qualifying Score for each DPP Sheet is provided. 4. These sheets will act as an Ultimate tool for Concept Checking & Speed Building. 5. Collection of 1395 MCQ ’ s of all variety of new pattern. 6. Covers all important Concepts of each Chapter. 7. As per latest pattern & syllabus of JEE Main exam.

Putnam and Beyond Disha Publications

This book will strengthen a student's grasp of the laws of physics by applying them to practical situations, and problems that yield more easily to intuitive insight than brute-force methods and complex mathematics. These intriguing problems, chosen almost exclusively from classical (non-quantum) physics, are posed in accessible non-technical language requiring the student to select the

right framework in which to analyse the situation and decide which branches of physics are involved. The level of sophistication needed to tackle most of the two hundred problems is that of the exceptional school student, the good undergraduate, or competent graduate student. The book will be valuable to undergraduates preparing for 'general physics' papers. It is hoped that even some physics professors will find the more difficult questions challenging. By contrast, mathematical demands are minimal, and do not go beyond elementary calculus. This intriguing book of physics problems should prove instructive, challenging and fun.

Problem-Solving Strategies Upkar Prakashan

1. ‘ Skill in Mathematics ’ series is prepared for JEE Main and Advanced papers 2. It is a highly recommended textbook to develop a strong grounding in Algebra 3. The book covers the entire syllabus into 11 chapters 4. Each chapter includes a wide range of questions that are asked in the examinations Good foundational grip is required in the Algebraic Methods, while you are preparing for JEE Mains & Advanced or any other engineering. Bringing up the series “ Skills in Mathematics for JEE Main & Advanced for Algebra ” that is carefully revised with the sessionwise theory and exercise; to help candidates to learn & tackle the mathematical problems. The book has 11 Chapters covering the whole syllabus for the JEE Mains and Advanced as prescribed. Each chapter is divided into sessions giving complete clarity to concepts. Apart from sessionwise theory, JEE Type examples and Chapter Exercise contain a huge amount of questions that are provided in every chapter under Practice Part. Prepared under great expertise, it is a highly recommended textbook to develop a strong grounding in Algebra to perform best in JEE and various engineering entrances. TOC: Complex Numbers, Theory of Equations, Sequences and Series, Logarithms and Their Properties, Permutations and Combinations, Binomial Theorems, Determinants, Matrices, Probability, Mathematical Inductions, Sets, Relations and Functions.

Pathfinder NDA/NA National Defence Academy & Naval Academy Entrance Examination Cambridge University Press

Anand Kumar, a mathematics prodigy, defied all challenges to set up one of the most successful and innovative teaching initiatives in the world—Super 30. Born in Chandipur Bela, Patna, Anand secured a place in Cambridge University but couldn't attend because he had no money and sold papads in the evenings instead. He dealt with his own disappointment by setting up an innovative school in 2002 to prepare underprivileged students for the IIT JEE examination. Super 30 has an astonishing success rate and on an average, twenty-seven to twenty-eight of the thirty students crack the exam every year. Stirring and heart-wrenching, this is the extraordinary story of a visionary who has elevated these bright sparks and, through education, given them hope to rise above crippling poverty.

Nift Springer

Key Features:A large number of preparatory problems with solutions to sharpen problem-solving aptitude in physics. Ideal for developing an intuitive approach to physics. Inclusion of a number of problems from the suggestions of the jury of recent Moscow Olympiads.
About the Book:The book helps the students in sharpening the problem-solving aptitude in physics. It also guides the students on the ways of approaching a problem and getting its solution. The book also raises the level of learning of physics by practicing problem-solving. It will be especially useful to those who have studied general physics and want to improve their knowledge or try their strength at non-standard problems or to develop an intuitive approach to physics. A feature of the book is that the most difficult problems are marked by asterisks. This book will prove beneficial for the students of the senior

secondary, undergraduate courses. It will also help those students who are preparing for engineering, medical entrance examinations and for physics Olympiads.

HIGHER ALGEBRA Arihant Publications India limited

Pearson IIT Foundation Series, one of the most reliable and comprehensive source of content for competitive readiness, is now thoroughly updated and redesigned to make learning more effective and interesting for students. The core objective of this series is to help aspiring students understand the fundamental concepts with clarity, in turn, helping them to master the art of problem-solving. Hence, great care has been taken to present the concepts in a lucid manner with the help of neatly sketched illustrations and well thought-out real-life examples. As a result, this series is indispensable for any student who intends to crack high-stakes examinations such as Joint Entrance Examination (JEE), National Talent Search Examination (NTSE), Olympiads-Junior/Senior /International, Kishore Vaigyanik Protsahan Yojana (KVPY), etc. The series consists of 12 books spread across Physics, Chemistry, and Mathematics for classes VII to X.

20 Sample Practice Papers & Official Indian Navy Sample Paper (Solved With Explanations) for INET (Indian Navy Entrance Test)
Simon and Schuster

A unique collection of competition problems from over twenty major national and international mathematical competitions for high school students. Written for trainers and participants of contests of all levels up to the highest level, this will appeal to high school teachers conducting a mathematics club who need a range of simple to complex problems and to those instructors wishing to pose a "problem of the week", thus bringing a creative atmosphere into the classrooms. Equally, this is a must-have for individuals interested in

solving difficult and challenging problems. Each chapter starts with typical examples illustrating the central concepts and is followed by a number of carefully selected problems and their solutions. Most of the solutions are complete, but some merely point to the road leading to the final solution. In addition to being a valuable resource of mathematical problems and solution strategies, this is the most complete training book on the market.

Super 30 Career Point Publication

A university is an institution for higher education and research. It can also be a place where academic brilliance leads to overinflated egos, bitter politics and finally, murder. Cirisha Narayanan, a professor who has risen meteorically, stumbles upon a cryptic message. Aditya Raisinghania, her banker husband, sets up a highly innovative financial hoax. Her profiteering father harvests Australia's largest bird—the emu—in India. The US elections are on and the debate on gun control has reached a fever pitch. Set in Mumbai, Coimbatore and Boston, Ravi Subramanian creates an impeccably researched world where everyone has a motive to kill. Nothing is as it seems in this cunningly vicious thriller where the plot turns on a dime.

Philosophy Scitus Academics LLC

1. Pathfinder NDA/NA Entrance Examination - prescribed under UPSC Guidelines. 2. The Self Study Guide divides the entire syllabus in 4 Major Sections 3. Provides 5 Previous Years' Solved Papers for practice 4. More than 8000 MCQs for quick revision of topics 5. Chapterwise division of Previous Years' Questions. 6. Gives deep insight of the paper pattern, its types and weightage in the exam. Mark Twain once said, " Patriotism is supporting your country all time and government when it deserves it ". The Union services commission or UPSC has released the notification of about 413 seats for the NDA/NA exam 2022. Here comes the updated edition of the Pathfinder series

" NDA/NA Entrance Examination " comprehensively complete syllabus of entrance examination as prescribed by UPSC. The book has been divided into chapters that are categorized under 4 major subjects; Mathematics, General English, General Science, General Studies providing a complete coverage. Each chapter of every section has been well explained with proper theories for better understanding. More than 8000 MCQs and Previous Years' Solved Papers are providing a deep insight for examination patterns and types of questions asked in the exam. Chapterwise Division of Previous Years' Solved Papers are provided with well detailed answers to clarify all the doubts. This book a must have for those who aim to score high for upcoming NDA/NA Exam. TOC NDA/NA Solved Paper 2021 – 2017 (I & II), , General English, General Science, General Studies.

Chapter-wise DPP Sheets for Chemistry NEET Oswal Publishers

It is a known fact that there is no substitute for hard work - However hard work must be done smartly to get the desired result. Keeping Smart Hard Work philosophy in mind, we have designed this book. As time plays an important factor & is limited in competitive exams hence the magic to score high in such examination is to solve questions accurately with speed. The ability to solve lengthy questions accurately in the shortest possible time will fetch you lead over other students resulting not only into good marks but also top rank. And the Short Tricks is sure to make it happen. For this purpose, we are elated to present a compilation of Short Tricks of Mathematics in a book form. These tricks have the edge which can make any aspirant solve questions accurately & quickly.

Aptitude Test Problems in Physics Penguin UK

GMAT™ Official Guide 2021 Your GMAT™ prep begins here. Designed by the makers of the GMAT exam. Study with confidence. All GMAT™ Official Prep products are the only prep resources containing real GMAT™ questions from past exams. It's why we are official. Get comprehensive practice by studying with 1,172 questions across quantitative and verbal reasoning from past GMAT™ exams. Answer

explanations are included so that you can study the reasoning behind the answers to help improve your understanding and performance. The questions in each section are organized by difficulty level: easy, medium and hard. Start at the beginning and work your way up to the harder questions as you build upon your knowledge. The GMAT™ Official Guide 2021 will allow you to: **LEARN ABOUT THE GMAT™ EXAM** – Gain an overview of the exam including the format, content and test-taking strategies. **GAIN COMPREHENSIVE PRACTICE** – Prepare with over 1,172 questions across Quantitative and Verbal Reasoning sections and online. **Study Answer Explanations** – Learn the methods behind the answers with detailed explanations. **Build Upon Your Knowledge** – Practice with questions organized from easiest to hardest. Plus! Practice online with the GMAT™ Official Guide Online Question Bank Practice online with the same questions from the book PLUS more than 150 additional online-exclusive questions—included with your purchase. Online practice will allow you to: **New! Review with online flashcards** to master key concepts to prepare and test with confidence **Practice with a total of 1,172 practice questions** **Create your own online practice sets** **Filter by fundamental skill and difficulty level** **Track your improvements with performance metrics** **Practice in exam mode to get ready for test day** **Study on the go with the mobile app!** **Access your data seamlessly between your devices and offline!** The GMAT™ Official Guide 2021 gives you the tools you need to confidently prepare for test day. This product includes print book with a unique code to access the GMAT™ Online Question Bank and mobile app.

SURGERY SIXER FOR NBE Momentum Press

Modern air and space craft demand a huge variety of sensing elements for detecting and controlling their behavior and operation. These sensors often differ significantly from those designed for applications in automobile, ship, railway, and other forms of transportation, and those used in industrial,

chemical, medical, and other areas. This book offers insight into an appropriate selection of these sensors and describes their principles of operation, design, and achievable performance along with particulars of their construction. Drawn from the activities of the International Federation of Automatic Control (IFAC), especially its Aerospace Technical Committee, the book provides details on the majority of sensors for aircraft and many for spacecraft, satellites, and space probes. It is written by an international team of twelve authors representing four countries from Eastern and Western Europe and North America, all with considerable experience in aerospace sensor and systems design. Highlights include:

- coverage of aerospace vehicle classification, specific design criteria, and the requirements of onboard systems and sensors;
- reviews of airborne flight parameter sensors, weather sensors and collision avoidance devices;
- discussions on the important role of inertial navigation systems (INS) and separate gyroscopic sensors for aerospace vehicle navigation and motion control;
- descriptions of engine parameter information collection systems, including fuel quantity and consumption sensors, pressure pick-ups, tachometers, vibration control, and temperature sensors; and
- descriptions and examples of sensor integration.

Pearson IIT Foundation Physics Class 10 Disha Publications

This book takes the reader on a journey through the world of college mathematics, focusing on some of the most important concepts and results in the theories of polynomials, linear algebra, real analysis, differential equations, coordinate geometry, trigonometry, elementary number theory, combinatorics, and probability. Preliminary material provides an overview of common methods of proof: argument by contradiction, mathematical induction, pigeonhole principle, ordered sets, and invariants. Each chapter systematically presents a single subject within which problems are clustered in each section according to the specific topic. The exposition is driven by nearly 1300 problems and examples chosen

from numerous sources from around the world; many original contributions come from the authors. The source, author, and historical background are cited whenever possible. Complete solutions to all problems are given at the end of the book. This second edition includes new sections on quad ratic polynomials, curves in the plane, quadratic fields, combinatorics of numbers, and graph theory, and added problems or theoretical expansion of sections on polynomials, matrices, abstract algebra, limits of sequences and functions, derivatives and their applications, Stokes' theorem, analytical geometry, combinatorial geometry, and counting strategies. Using the W.L. Putnam Mathematical Competition for undergraduates as an inspiring symbol to build an appropriate math background for graduate studies in pure or applied mathematics, the reader is eased into transitioning from problem-solving at the high school level to the university and beyond, that is, to mathematical research. This work may be used as a study guide for the Putnam exam, as a text for many different problem-solving courses, and as a source of problems for standard courses in undergraduate mathematics. Putnam and Beyond is organized for independent study by undergraduate and gradu ate students, as well as teachers and researchers in the physical sciences who wish to expand their mathematical horizons.

Skill in Mathematics - Algebra for JEE Main and Advanced CBS Publishers & Distributors Private Limited

The thoroughly Revised & Updated Mental Ability for NTSE & Olympiad Exams for Class 10 (Quick Start for Class 6, 7, 8, & 9) 2nd Edition for class 10 is a comprehensive book written exclusively for students of all states preparing for the Stage 1 of the NTSE examination. The students can start using this book right from Grade 6. The book provides learning of all the concepts involved in

the syllabus of NTSE examination for the Mental Ability Test (MAT). The book helps the students not only in building their APTITUDE but will also help in developing their ANALYTICAL SKILLS. Salient features of the book: • There are 26 chapters followed by Mock Tests for Stage 1 & 2. • The book provides sufficient point-wise theory, solved examples followed by FULLY SOLVED exercises in 2 levels Basic & Advance level. • Maps, Diagrams and Tables to stimulate the thinking ability of the student. • The book incorporates EXEMPLAR PROBLEMS IN MAT from various State NTSE exams, Stage 2 Past Questions in exercises. • The book provides 2 Mock Tests of MAT for the State NTSE and 3 for the 2nd Stage.

Numerical Chemistry Springer Science & Business Media

Concrete is one of the most popular materials for buildings because it has high compressive strength, flexibility in its form and it is widely available. The history of concrete usage dates back for over a thousand years. Contemporary cement concrete has been used since the early nineteenth century with the development of Portland cement. Despite the high compressive strength, concrete has limited tensile strength, only about ten percent of its compressive strength and zero strength after cracks develop. In the late nineteenth century, reinforcing materials, such as iron or steel rods, began to be used to increase the tensile strength of concrete. Today steel bars are used as common reinforcing material. Concrete is a mixture of coarse and fine aggregates with a paste of binder material and water. Reinforced concrete is a composite material in which concrete's relatively low tensile strength and ductility are counteracted by the inclusion of reinforcement having higher tensile strength and ductility. The reinforcement is usually steel reinforcing bars and is usually embedded passively in the concrete before the concrete sets. Reinforcing schemes are generally designed to resist tensile stresses in particular regions of the concrete that might cause unacceptable cracking and structural failure. Modern reinforced concrete can contain varied reinforcing materials made of steel, polymers or alternate composite material in conjunction with rebar or not. Reinforced concrete may also be permanently stressed (in compression), so as to improve the behaviour of the final structure under working loads. In the United States, the most common methods of doing this are known as pre-tensioning and post-

tensioning. Without reinforcement, constructing modern structures with concrete material would not be possible. The aim of this book is to provide reinforced concrete design tools to help architecture students, researchers or working professionals to understand the design process.

200 Puzzling Physics Problems Ramesh Publishing House

Blast off and experience space travel with this collection of fascinating, funny, and sometimes weird anecdotes from real astronauts. Everyone wonders what it 's really like in space, but very few of us have ever had the chance to experience it firsthand. This captivating illustrated collection brings together stories from dozens of international astronauts—men and women who 've actually been there—who have returned with accounts of the sometimes weird, often funny, and awe-inspiring sensations and realities of being in space. With playful artwork accompanying each, here are the real stories behind backwards dreams, “ moon face, ” the tricks of sleeping in zero gravity and aiming your sneeze during a spacewalk, the importance of packing hot sauce, and dozens of other cosmic quirks and amazements that come with travel in and beyond low Earth orbit. Praise for *What 's It Like in Space?* “ Houston, we have a winner. ” —Oprah Magazine “ [A] captivating illustrated collection. ” —Smithsonian Magazine “ A delightful mini-coffee table book about all the awkward and beautiful moments you can have in space, based on dozens of interviews with people who have actually been there. If you 're looking for a fun read about life outside the gravity well, check out *What 's It Like in Space?* ” —Ars Technica “ This charmingly illustrated book is much meatier than its diminutive size would suggest. These snippets are so clear, so beautifully curated, that they really do leave you with a sense of what it must be like to float miles above Earth. ” —Entertainment Weekly