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High Voltage Direct Current Transmission BoD – Books on Demand

FROM THE PUBLISHER: Oswaal Books is happy to announce the launch of Oswaal Handbooks for Physics, Chemistry, Biology & Mathematics which will supplement the need for concept clarity at every step of study. The Handbooks will act as Exam Reckoners for preparation of various Engineering & Medical competitive exams. These books are compact reference books and are the best for chapter-wise & topic wise preparation. **IMPORTANT FEATURES OF THE BOOK:** A Topper's Ready Reckoner Topper's Handbook will act like a universal reckoner for students at every stage of their study. These come for Physics, Chemistry- both Organic & Inorganic, Mathematics & Biology. **WHAT THIS BOOK HAS FOR YOU:** Oswaal Exam Tools Exam tools like Concepts Clarified, Important Formulae, Mind / Concept Maps are included in the handbooks. These make registration of concepts easier. Tips to crack various Exams Tips given by experts will ensure that by studying from these books, a student can write his paper well, get the best result & top rank! Real Time Videos for Hybrid Learning Real time Videos have been given for a digital edge. About Oswaal Books: We feel extremely happy to announce that Oswaal Books has been awarded as 'The Most Promising Brand 2019' by The Economic Times. This has been possible only because of your trust and love for us. Oswaal Books strongly believes in Making Learning Simple. To ensure student-friendly, yet highly exam-oriented content, we take due care in developing our Panel of Experts. Accomplished teachers with 100+ years of combined experience, Subject Matter Experts with unmatched subject knowledge, dynamic educationists, professionals with a keen interest in education and topper students from the length and breadth of the country, together form the coveted Oswaal Panel of Experts. It is with their expertise, guidance and a keen eye for details that the content in each offering meets the need of the students. No wonder, Oswaal Books holds an enviable place in every student's heart!

Kinetics of Aggregation and Gelation Arihant Publications India limited

The book 15 Practice Sets for RRB Junior Engineer Stage I Online Exam with 3 Online Tests provides 15 Practice Sets - 12 in the book and 3 Online - on the exact pattern as specified in the latest notification. The book provides the 2014 & 2015 Solved Papers. Each Test contains 100 questions divided into 4 sections: General Intelligence & Reasoning (25), General Awareness (15), General Science (30), and Mathematics (30). The solution to each Test is provided at the end of the book. This book will really help the students in developing the required Speed and Strike Rate, which can increase their final score by 15% in the final exam.

Physics Quick Books Arihant Publications India limited

Cracking JEE Main & Advanced requires good command over the principles and concepts of physics and their applications to solve a variety of problems asked, irrespective of the exam format. A massive collection of the most challenging problems, the Selected Problems Series comprises of 3 books, one each for Physics, Chemistry and Mathematics to suit the practice needs of students appearing for upcoming JEE Main and Advanced exam. DC Pandey's, 500 Selected Problems in Physics aims to hone your Problem-Solving Skills on all aspects of the exam syllabi, through 16 logically sequenced chapters. Working through these chapters, you will be able to understand Fundamentals of physics and avoid the pitfalls in applying the Concepts. The Step-by-Step solutions to the problems in the book will make you learn the time-saving strategies essential for all those appearing in JEE Main & Advanced and all other Engineering Entrance Examinations or even those who are inclined to Problem Solving in Physics

Deep Learning for the Life Sciences Arihant Publications India limited

The publication of the first edition of Physics in 1960 launched the modern era of physics textbooks. It was a new paradigm then and, after 40 years, it continues to be the dominant model for all texts. The big change in the market has been a shift to a lower level, more accessible version of the model. Fundamentals of Physics is a good example of this shift. In spite of this change, there continues to be a demand for the original version and, indeed, we are seeing a renewed interest in Physics as demographic changes have led to greater numbers of well-prepared students entering university. Physics is the only book available for academics looking to teach a more demanding course.

Biofuels from Algae Disha Publications

This collection of exercises, compiled for talented high school students, encourages creativity and a deeper understanding of ideas when solving physics problems. Described as 'far beyond high-school level', this book grew out of the idea that teaching should not aim for the merely routine, but challenge pupils and stretch their ability through creativity and thorough comprehension of ideas.

Objective Chemistry SPIE Press

1. "JEE MAIN in 40 Day" is the Best-Selling series for medical entrance preparations 2.

This book deals with Chemistry subject 3. The whole syllabus is divided into day wise learning modules 4. Each day is assigned with 2 exercises; The Foundation Questions & Progressive Questions 5. Unit Tests and Full-Length Mock Test papers for practice 6. JEE Main Solved Papers are provided to understand the paper pattern 7. Free online Papers are given for practice The book 40 Day JEE Main Chemistry serves as a perfect planner in the revision course at whatever level of preparation of the aspirants to accelerate the way to master the whole JEE Main Syllabus. Conceived on the lines of the latest trends of questions, this book divides the syllabus into Daywise learning modules with clear grounding concepts and sufficient practice with Solved and Unsolved Papers. Each day is assigned with two types of exercises; Foundation Question Exercise & Progressive Question Exercises which provide only a good collection of the Best Questions. All Types of Objective Questions are included in Daily Exercise. Apart from exercise, Unit Test & Full Length Mock Tests are given along with all Online Solved Papers of JEE Main 2021; February, March, July & August attempts. This book helps in increasing the level of preparation done by the students and ensures scoring high marks. TOC Preparing JEE Main 2022 Chemistry in 40 Days!, Day 1: Some Basic Concepts of Chemistry, Day 2: States of Matter, Day 3: Atomic Structure, Day 4: Chemical Bonding and Molecular Structure, Day 5: Unit Test 1 (General Chemistry), Day 6: Chemical Thermodynamics, Day 7: Thermochemistry, Day 8: Solutions, Day 9: Physical and Chemical Equilibrium, Day 10: Ionic Equilibrium, Day 11: Unit Test 2 (Physical Chemistry-I), Day 12: Redox Reactions, Day 13: Electrochemistry, Day 14: Chemical

Kinetics, Day 15: Adsorption and Catalysis, Day 16: Colloidal State, Day 17: Unit Test 3 (Physical Chemistry-II), Day 18: Classification and Periodicity of Elements, Day 19: General Principles and Processes of Isolation of Metals, Day 20: Hydrogen Day 21: s-Block Elements, Day 22: p-Block Elements (Group 13 to Group 18), Day 23: The d-and f-Block Elements, Day 24: Coordination Compounds, Day 25 Unit Test 4 (Inorganic Chemistry), Day 26: Environmental Chemistry, Day 27: General Organic Chemistry Day 28: Hydrocarbons, Day 29: Organic Compounds Containing Halogens, Day 30: Organic Compounds Containing Oxygen, Day 31: Organic Compounds Containing Nitrogen, Day 32: Unit Test 5 (Organic Chemistry-I), Day 33: Polymers, Day 34: Biomolecules, Day 35: Chemistry in Everyday Life, Day 36: Analytical Chemistry, Day 37: Unit Test 6 (Organic Chemistry-II), Day 38: Mock Test 1, Day 39: Mock Test 2, Day 40: Mock Test 3, Online JEE Mains Solved Papers 2021. **Objective Physics for NEET Vol 2 2022** John Wiley & Sons

The current edited book presents some of the most advanced research findings in the field of nanotechnology and its application in materials development in a very concise form. The main focus of the book is dragged toward those materials where electronic properties are manipulated for development of advanced materials. We have discussed about the extensive usage of nanotechnology and its impact on various facets of the chip-making practice from materials to devices such as basic memory, quantum dots, nanotubes, nanowires, graphene-like 2D materials, and CIGS thin-film solar cells as energy-harvesting devices. Researchers as well as students can gain valuable insights into the different processing of nanomaterials, characterization procedures of the materials in nanoscale, and their different functional properties and applications.

JEE Advanced Physics - Modern Physics Springer

Scientists and engineers have long relied on the power of imaging techniques to help see objects invisible to the naked eye, and thus, to advance scientific knowledge.

These experts are constantly pushing the limits of technology in pursuit of chemical imaging—the ability to visualize molecular structures and chemical composition in time and space as actual events unfold—from the smallest dimension of a biological system to the widest expanse of a distant galaxy. Chemical imaging has a variety of applications for almost every facet of our daily lives, ranging from medical diagnosis and treatment to the study and design of material properties in new products. In addition to highlighting advances in chemical imaging that could have the greatest impact on critical problems in science and technology, Visualizing Chemistry reviews the current state of chemical imaging technology, identifies promising future developments and their applications, and suggests a research and educational agenda to enable breakthrough improvements.

New Pattern IIT JEE Physics O'Reilly Media

1. "Complete Study Pack for Engineering Entrances" series provides Objective Study Guides 2. Objective Physics Volume-2 is prepared in accordance with NCERT Class 11th syllabus 3. Guide is divided into 14 chapter 4. complete text materials, Practice Exercises and workbook exercises with each theory 5. Includes more than 5000 MCQs, collection of Previous Years' Solved Papers of JEE Main and Advanced, BITSAT, Kerala CEE, KCET, AP & TS EAMCET, VIT, and MHT CET. Our Objective series for Engineering Entrances has been designed in accordance with the latest 2021-2022 NCERT syllabus; Objective Physics Volume - 2 is divided into 14 chapters giving Complete Text Material along with Practice Exercises and Workbook exercises. Chapter Theories are coupled with well illustrated examples helping students to learn the basics of Physics. Housed with more than 5000 MCQs and brilliant collection of Previous Years' Solved Papers of JEE Main and Advanced BITSAT, Kerala CEE, KCET, AP & TS EAMCET, VIT, and MHT CET, which is the most defining part of this book. Delivering the invaluable pool of study resources for different engineering exams at one place, this is no doubt, an excellent book to maximize your chances to get qualified at engineering entrances. TOC Electrostatics, Current Electricity, Magnetic Effects of Current, Magnetism, Electromagnetic Induction, Alternating Current, Geometric Optics, Modern Physics, Solids and Semiconductors Devices, Basic of Communications, Electron Tubes, Universe, Theory of Relativity, JEE Advanced Solved Paper 2015, JEE Main & Advanced Solved Papers 2016, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2017, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2018, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2019-20.

Objective Physics for NEET Vol 1 2022 CRC Press

1. Best-selling study guide and well-structured study resource for NEET, AIIMS, JIPMER. 2. NEET Objective Physics Vol 1. – for class 11 3. The book follows the NCERT pattern for MBBS & BDS entrance preparation along with their school studies. 4. Diagrams, tables, figures etc support theory 5. Practice exercises after every chapter 6. Coverage of last 8 Years Questions of NEET, CBSEE AIPMT and Other Medical Entrances. The "NEET Objective Physics Volume - 01" is a complete comprehensive book designed for the medical students preparing for NEET. As the title suggests the volume -1 covers the complete NEET syllabus along with NCERT Textbook of class 11th into 17 Chapters for the simultaneous preparation of both school & exam. Every chapter is well supported by theories, diagrams, tables, figures. Important points and Notes are given in the topics to enrich students. In order to help, Check Point Exercises are given in between the text of all chapters to make students linked with the topic. Solved Examples are given with the different concepts of chapters to make students learn the problem solving skills. Exercises provided in the chapters are divided into 3 parts. Part - A: Taking it Together deals with objective questions arranged according to level of difficulty for the systematic practice. Part - B: Medical Entrance Special Format Questions – covers all special types of questions, generally asked in NEET & other Medical Entrances, Part - C: Medical Entrances' Gallery – asked

questions in Last 10 years ' (2020-2011) in NEET and other medical entrances
TOC Basic Mathematics, Units, Dimensions and Error Analysis, Vectors, Motion
in One Dimension, Motion in a Plane and Projectile Motion, Laws of Motion,
Work, Power and Energy, Circulation Motion, Rotation, Gravitation, Simple
Harmonic Motion, Elasticity, Fluid Mechanics, Thermometry, Thermal
Expansion and Kinetic Theory of Gases, Laws of Thermodynamics, Calorimetry
and Heat Transfer, Wave Motion.

Handbook of Physics Elsevier

This monograph reviews all relevant technologies based on mass spectrometry that
are used to study or screen biological interactions in general. Arranged in three
parts, the text begins by reviewing techniques nowadays almost considered classical,
such as affinity chromatography and ultrafiltration, as well as the latest techniques.
The second part focusses on all MS-based methods for the study of interactions of
proteins with all classes of biomolecules. Besides pull down-based approaches, this
section also emphasizes the use of ion mobility MS, capture-compound approaches,
chemical proteomics and interactomics. The third and final part discusses other
important technologies frequently employed in interaction studies, such as biosensors
and microarrays. For pharmaceutical, analytical, protein, environmental and
biochemists, as well as those working in pharmaceutical and analytical laboratories.

Problems In General Physics Newnes

Physics of higher level has too many concept and remembering all them on tips all the time
is not an easy task. Handbook of Physics is an important, useful and compact reference book
suitable for everyday study, problem solving or exam revision for class XI – XII, Engineering
& Medical entrances and other Competitions Aspirants. This book is a multi-purpose quick
revision resource that contains almost all key notes, terms, Definitions and formulae that all
students & professionals in physics will want to have this essential reference book within
easy reach. Its unique format displays formulae clearly, places them in the context and
crisply identifies describes all the variables involved, summary about every equation and
formula that one might want while learning physics is one of the unique features of the book,
a stimulating and crisp extract of fundamental physics is to be enjoyed by the beginners and
experts equally. The book is best-selling from its first edition and one of the most useful
books of its type. Table of contents Measurement, Vectors, Motion in a Straight Line,
Projectile Motion and Circular Motion, Laws of Motion, Work, Power and Energy, Rotational
Motion, Gravitation, Elasticity, Hydrostatics, Hydrodynamics, Surface Tensions,
Thermometry and Calorimetry, Kinetic Theory of Gases, Thermodynamics, Transmission of
Heat, Oscillations, Waves and Sound, Electrostatics, Current Electricity, Heating and
Chemical Effects of Currents, Magnetic Effect of Current, Magnetism, Electromagnetic
Induction, Alternating Currents, Ray Optics, Wave Optics, Electrons, Photons and X-rays,
Atomic Physics, Nuclear Physics, Electronics, Electromagnetic Waves and Communication,
Universe, Basic Formulae of Physics, Nobel Laureates in Physics, Famous Physicists and
their Contributions.

Chapter-wise DPP Sheets for Chemistry NEET Disha Publications

This book provides a comprehensive basics-to-advanced course in an aero-
thermal science vital to the design of engines for either type of craft. The text
classifies engines powering aircraft and single/multi-stage rockets, and derives
performance parameters for both from basic aerodynamics and
thermodynamics laws. Each type of engine is analyzed for optimum

performance goals, and mission-appropriate engines selection is explained.
Fundamentals of Aircraft and Rocket Propulsion provides information about and
analyses of: thermodynamic cycles of shaft engines (piston, turboprop,
turboshaft and propfan); jet engines (pulsejet, pulse detonation engine, ramjet,
scramjet, turbojet and turbofan); chemical and non-chemical rocket engines;
conceptual design of modular rocket engines (combustor, nozzle and
turbopumps); and conceptual design of different modules of aero-engines in
their design and off-design state. Aimed at graduate and final-year
undergraduate students, this textbook provides a thorough grounding in the
history and classification of both aircraft and rocket engines, important design
features of all the engines detailed, and particular consideration of special
aircraft such as unmanned aerial and short/vertical takeoff and landing aircraft.
End-of-chapter exercises make this a valuable student resource, and the
provision of a downloadable solutions manual will be of further benefit for
course instructors.

Understanding Physics Electricity & Magnetism Arihant Publications India limited

This acts as a reference work for the field of high intensity and/or high plasma density laser-
plasma interactions for years to come. It covers everything from single particles to dense
fluids, from computational physics to the practical results in fusion. In addition, it contains
treatments of the theory of electrodynamics, laser-driven hydrodynamics, the Lorentz force,
complex refractive index and relativistic effects in plasmas. Although "the swamp of plasma
physics" is mostly a classical place, the author indicates where quantum and classical
calculations converge.

Physics. Oswaal Books

In the past few years, the IIT-JEE has evolved as an examination designed to check a
candidate ' s true scientific skills. The examination pattern needs one to see those little
details which others fail to see. These details tell us how much in-depth we should know to
explain a concept in the right direction. Keeping the present-day scenario in mind, JEE
Advanced Physics series is written for students, to allow them not only to learn the tools but
also to see why they work so nicely in explaining the beauty of ideas behind the subject.

The central goal of this series is to help the students develop a thorough understanding of
Physics as a subject. This series stresses on building a rock-solid technical knowledge
based on firm foundation of the fundamental principles followed by a large collection of
formulae. The primary philosophy of this series is to guide the aspirants towards detailed
groundwork for strong conceptual understanding and development of problem-solving skills
like mature and experienced physicists. This updated Third Edition of the series will help
the aspirants prepare for both Advanced and Main levels of JEE conducted for IITs and
other elite engineering institutions in India. This book will also be equally useful for the
students preparing for Physics Olympiads. All books in this series are enriched with detailed
exhaustive theory that introduces the concepts of Physics in a clear, concise, thorough and
easy-to-understand language. A large collection of relevant problems is provided in eight
major categories (including updated archive for JEE Advanced and JEE Main), for which the
solutions are demonstrated in a logical and stepwise manner.

A Textbook of Inorganic Chemistry – Volume 1 National Academies Press

Deep learning has already achieved remarkable results in many fields. Now it ' s
making waves throughout the sciences broadly and the life sciences in particular.

This practical book teaches developers and scientists how to use deep learning for
genomics, chemistry, biophysics, microscopy, medical analysis, and other fields. Ideal
for practicing developers and scientists ready to apply their skills to scientific
applications such as biology, genetics, and drug discovery, this book introduces
several deep network primitives. You ' ll follow a case study on the problem of
designing new therapeutics that ties together physics, chemistry, biology, and

medicine—an example that represents one of science ' s greatest challenges. Learn the
basics of performing machine learning on molecular data Understand why deep
learning is a powerful tool for genetics and genomics Apply deep learning to
understand biophysical systems Get a brief introduction to machine learning with
DeepChem Use deep learning to analyze microscopic images Analyze medical scans
using deep learning techniques Learn about variational autoencoders and generative
adversarial networks Interpret what your model is doing and how it ' s working
Oswaal Topper's Handbook Chemistry Classes 11 & 12 Entrance Exams
(Engineering & Medical) Arihant Publications India limited

1. Best-selling study guide and well-structured study resource for NEET,
AIIMS, JIPMER. 2. NEET Objective Physics Vol 2. – for class 12 3. The book
follows the NCERT pattern for MBBS & BDS entrance preparation along with
their school studies. 4. Diagrams, tables, figures etc support theory 5. Practice
exercises after every chapter 6. Coverage of last 1 Years Questions of NEET,
CBSEE AIPMT and Other Medical Entrances. The “ NEET Objective Physics
Volume – 2 ” is a complete comprehensive book designed for the medical
students preparing for NEET. As the title suggests the volume -2 covers the
complete NEET syllabus along with NCERT Textbook of class 12th into 14
Chapters for the simultaneous preparation of both school & exam. Every
chapter is well supported by theories, diagrams, tables, figures. Important
points and Notes are given in the topics to enrich students. In order to help,
Check Point Exercises are given in between the text of all chapters to make
students linked with the topic. Solved Examples are given with the different
concepts of chapters to make students learn the problem-solving skills.

Exercises provided in the chapters are divided into 3 parts. Part – A: Taking it
Together deals with objective questions arranged topically according to level of
difficulty for the systematic practice. Part – B: Medical Entrance Special
Format Questions – covers all special types of questions, generally asked in
NEET & other Medical Entrances, Part – C: Medical Entrances ' Gallery – asked
questions in Last 1 years ' (22-211) in NEET and other medical entrances.
Answers to all the questions are well defined provided in different exercises.
TOC Electric Charges and Fields, Electrostatic Potential and Capacitance,
Current Electricity, Magnetic Effect of Current and Moving Charges, Magnetism
and Matter, Electromagnetic Induction, Altering Current, Electromagnetic
Waves, Ray Optics, Waves Optics, Dual Nature of Radiation and Matter, Atoms,
Nuclei, Solids and Semiconductor Devices.

Visualizing Chemistry Arihant Publications India limited

Serving as an all-in-one guide to the entire field of coatings technology, this
encyclopedia reference covers a diverse range of topics-including basic
concepts, coating types, materials, processes, testing and applications-
summarizing both the latest developments and standard coatings methods.

Take advantage of the insights and experience of over
NEET/ AIIMS Objective Question Bank for Physics, Chemistry & Biology Arihant
Publications India limited

This work is an effort to cultivate the philosophy of applying subject knowledge with utmost
clarity amongst the aspirants of national/international Physics Olympiad and JEE
(Advanced). The sections of exercises are structured in gradually increasing lev
Concepts Of Physics Pearson Education India

The book NEET/ AIIMS Objective Question Bank for Physics, Chemistry & Biology
has been written exclusively to help students crack the Medical Entrance exams. The
book is unique in the sense that it provides selected questions divided into 6
categories for the NEET exam. The book has been prepared in such a manner that a
student can easily complete the book in a month's time. The book follows the exact
pattern of the NCERT books. Thus the different sections - Physics has 29, Chemistry
has 30 and Biology has 38 chapters. The Question Bank contains: • Fill in the Blanks
• True/ False • Conceptual MCQs • Diagram Based Questions • Assertion Reason
Based Questions • Matching Based Questions • Critical Thinking Type Questions as
per the pattern of the NEET/ AIIMS exam. The book is also useful for JIPMER/
AMU/ KCET etc.