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Problems in General Physics -

IGOR. EVGENYEVICH

IRODOV 2020-09

Key Features: Covers problems of real life situations to develop learners' problem solving skills.

Ideal for students willing to sharpen their engineering aptitude.Graded problems to suit average as well as high level students.About the Book:The

book is an excellent classic on physics having relevance for the students of physical science at the senior secondary and undergraduate levels. It presents the problems with The related concepts at length under six core sections. For the ease of students appropriate formulas are given in each section. All difficult problems are explained in a lucid

manner. The answers to all the problems are given at the end of the book.

Oswaal JEE Main Solved Papers (2019 - 2022 All shifts 32 Papers) + NCERT Textbook Exemplar Physics, Chemistry, Math (Set of 6 Books) (For 2023 Exam) -

Oswaal Editorial Board
2022-09-12

Chapter-wise and Topic-wise presentation Latest JEE (Main) Two Question Paper 2022- Fully solved Chapter-wise & Topic-wise Previous Questions to enable quick revision Previous Years' (2019-2022) Exam Questions to facilitate focused study Mind Map: A single page snapshot of the entire chapter for longer retention Mnemonics to boost memory and confidence Oswaal QR Codes: Easy to scan QR codes for online concept based content Two SQPs based on the latest pattern Tips to crack JEE (Main) Trend Analysis: Chapter-wise

The Pearson Guide to Inorganic

Chemistry for the IIT JEE 2012 -

Chapter-wise DPP Sheets for

Chemistry NEET - Disha Experts

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.

Comprehensive Organic Chemistry - Amitava Mazumder
2018-02-09

Comprehensive Organic Chemistry is the perfect guide for students preparing for

examinations at the middle school level all the way to the competitive examination level.

The content is a result of the author's ever-growing knowledge of the subject and serves as a comprehensive source of knowledge for people studying organic chemistry.

IIT Chemistry-I -

Numerical Chemistry -

PRATESH BAHADUR 1994

University Chemistry, 4/E -

Mahan 2009-09

Organic Reaction Mechanism -

Ash Copeland & Luke Bell

2019-06-07

Organic reactions are chemical reactions involving organic compounds. The basic organic chemistry reaction types are addition reactions, elimination reactions, substitution reactions, pericyclic reactions, rearrangement reactions and redox reactions. In organic

synthesis, organic reactions are used in the construction of new organic molecules. The production of many man-made chemicals such as drugs, plastics, food additives, fabrics depend on organic reactions. Organic reactions are chemical reactions involving organic compounds. The basic organic chemistry reaction types are addition reactions, elimination reactions, substitution reactions, pericyclic reactions, rearrangement reactions, photochemical reactions and redox reactions. In organic synthesis, organic reactions are used in the construction of new organic molecules. The production of many man-made chemicals such as drugs, plastics, food additives, fabrics depend on organic reactions. The book is likely to serve as a useful textbook and reference book to the undergraduate and postgraduate students in developing an insight into the mechanistic aspects of the organic

chemistry as a whole.

JEE Advanced Maths - Unit wise
Practice Test Papers - 2020-07-20

Competitive examination preparation takes enormous efforts & time on the part of a student to learn, practice and master each unit of the syllabus. To check proficiency level in each unit, student must take self-assessment to identify his/her weak areas to work upon, that eventually builds confidence to win. Also performance of a student in exam improves significantly if student is familiar with the exact nature, type and difficulty level of the questions being asked in the Exam. With this objective in mind, we are presenting before you this book containing unit tests. Some features of the books are- The complete syllabus is divided into logical units and there is a self-assessment tests for each unit. Tests are prepared by subject experts who have decade of experience to prepare students

for competitive exams. Tests are as per the latest pattern of the examination. Detailed explanatory solution of each test paper is also given. Student is advised to attempt these Tests once they complete the preparation/revision of unit. They should attempt these Test in exam like environment in a specified time. Student is advised to properly analyze the solutions and think of alternative methods and linkage to the solutions of identical problems also. We firmly believe that the book in this form will definitely help a genuine, hardworking student. We have put our best efforts to make this book error free, still there may be some errors. We would appreciate if the same is brought to our notice. We wish to utilize the opportunity to place on record our special thanks to all faculty members and editorial team for their efforts to make this book.

Fundamentals of Inorganic

Chemistry for Competitive Examinations - Ananya Ganguly
Fundamentals of Inorganic Chemistry for Competitive Examinations is the signature compilation of the class tested notes of iconic chemistry coach Ananya Ganguly,. It features the unique teaching methodology of the author and her authoritative approach in the teaching of concepts, their application and strategy to champion the IITJEE high task. Each chapter unfolds the structured, systematic and patterned chemistry concepts in lucid and student friendly approach. The book is without those unnecessary frills that make the bulk in other popular books in the market for the IIT JEE. An indispensable must have for in-depth comprehension of chemistry for the coveted IIT JEE.

NCERT Problems Solutions Textbook-Exemplar Class 12 (3 Book Sets) Physics, Chemistry, Mathematics (For Exam 2023) -

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2022-03-03

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- Some commonly made errors highlight the most common and unidentified mistakes made by students at all levels

Oswaal 35 Year's NEET UG Solved Papers 1988-2022 + NCERT Textbook Exemplar Chemistry (Set of 2 Books) (For 2023 Exam) - Oswaal Editorial Board 2022-09-12

Latest NEET Question Paper
2022- Fully solved Chapter-wise
& Topic-wise Previous Questions
to enable quick revision Previous
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Revision Notes: Concept based
study material Oswaal QR Codes:
Easy to scan QR codes for online
content Analytical Report: Unit-
wise questions distribution in
each subject Two SQPs based on
the latest pattern Tips to crack
NEET Top 50 Medical Institutes
Ranks Trend Analysis: Chapter-
wise
750+ Blockbuster Problems in
Chemistry for JEE Main - Disha
Experts 2021-02-04

**Text Book Of Inorganic
Chemistry For Iit-Jee** - Dr.
Deepak Joshi
A unique book not just for better
understanding of Inorganic

Chemistry but for better
memorising and retention. The
unique feature of the book is a
thorough understanding of
reactions and compounds through
Colours. The book is full of
Memorising Techniques which is
the key to success in Inorganic
Chemistry. Sufficient Exercises
are given wherever required.
Flash Cards provided for better
learning of students. The book
has been completely reoriented
as per the new pattern of IIT
JEE.

*Oswaal JEE Main Solved Papers
(2019 - 2022 All shifts 32 Papers)
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Chemistry (Set of 2 Books) (For
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(Free Sample) Inorganic Qualitative Analysis for JEE Advanced/ Main & Boards (Class 11 & 12) - Dr. Deepak Joshi
2021-11-26

The book Inorganic Qualitative Analysis is a rare blend of the theoretical and the practical knowledge that the author wishes to pass on to the students through this magnificent piece of literature. The book beautifully captures and encapsulates the various concepts of Qualitative Analysis used in NEET and IIT-JEE in the most concise of the ways possible. The book also provides Memory Technique Cards for better retention. The

book covers the entire syllabus in 11 chapters. Each chapter provides detailed theory highlighting all the reactions and reagents involved. Further practice exercises including past questions are also provided at the end of the chapters. Detailed solutions to each question are provided in the book. The book contains 6 levels of exercise at the end of the chapters. The solutions to the exercises have been provided immediately after. The various types of questions provided are MCQ 1 Correct Questions, Passage based Questions, Assertion Reason type Questions, MCQ more than 1 correct Questions, Multiple Matching Questions, & Subjective/ Integer Answer Questions. This book will provide a good fundamental bed-rock for building and nurturing the concepts of students.

Concise Inorganic Chemistry -
John David Lee 1965

Reactions Rearrangements And Reagents - Sanyal 2019

Problems in Spectroscopy - Barry M. Trost 1967

Organic Chemistry - Jagdamba Singh 2010

Concise Inorganic Chemistry - John David Lee 2008

43 Years JEE Advanced (1978 - 2020) + JEE Main Chapterwise & Topicwise Solved Papers Physics 16th Edition - Disha Experts

Reaction Mechanism in Organic Chemistry - Nand Kishor Gupta 2019-06-02

This book contain Substitution Reaction like Nucleophilic and Electrophilic with detail their mechanism And addition reaction , elimination reaction , oxidation reaction , reaction of carbon radical , reaction of carbonyl group And Stereochemistry also..... This book useful for B.Sc.

M.Sc. and all competition exams....Like NEET , IIT JEE , DRDO ,BARC etc.

Fundamentals of Inorganic Chemistry -

Physics and Inorganic Chemistry - Alexius McGlannan 1903

Understanding Inorganic Chemistry - Remi Dalton 2021-11-16

The branch of chemistry which is concerned with the synthesis and analysis of inorganic and organometallic compounds is known as inorganic chemistry. The subject is further divided into organometallic chemistry, cluster chemistry and bioinorganic chemistry. The key feature of inorganic compounds is the absence of carbon-hydrogen bond in them. Inorganic compounds are generally classified into cluster compounds, transition metal compounds, coordination compounds and bioinorganic compounds. Some

common inorganic compounds are ammonia, chlorine, aluminum sulphate, ammonium nitrate, etc. Some common features of inorganic compounds are high melting point, ease of crystallisation, high specific heat capacity and poor electrical conductivity. Applications of inorganic chemistry are widespread ranging from agriculture, catalysis, medications to fuels and catalysis. The topics included in this book on inorganic chemistry are of utmost significance and bound to provide incredible insights to readers. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. Those in search of information to further their knowledge will be greatly assisted by this book.

Advanced Organic Chemistry - Reinhard Bruckner 2002

A best-selling mechanistic

organic chemistry text in Germany, this text's translation into English fills a long-existing need for a modern, thorough and accessible treatment of reaction mechanisms for students of organic chemistry at the advanced undergraduate and graduate level. Knowledge of reaction mechanisms is essential to all applied areas of organic chemistry; this text fulfills that need by presenting the right material at the right level.

A Plan That Actually Works - Anagh Prasad 2020-07-13

Written by a former All India Topper, this book has been touted by several iconic IITians as the most effective book on JEE planning ever written! Anagh argues that most IITians are neither born-geniuses nor unusually intense work-machines; they are smart planners instead. He takes you behind-the-scenes to reveal how smart planning works for JEE and lays out a clear framework

for goal-oriented thinking. The step by step approach outlined across 11 chapters covers everything from daily routine to efficient practice to long term motivation, all explained through real life examples and presented with time-tested proofs. It talks about achieving one's goals while not missing out on a balanced life and questions people's deepest beliefs about achieving a large and meaningful goal like IIT-JEE. After finishing the book, readers will take away not just a concrete plan to prepare for JEE, but in the words of an early reviewer, a "life-altering" change in perspective towards success. "Edifying and thought-provoking! Reading this book will help you succeed not only in JEE but also in life." - Chitraang Murdia, AIR-1 in JEE Adv, 2014 "Covers a lot of important topics and explains goal setting well" - Aman Bansal, AIR-1 in JEE Adv, 2016 "Develops a holistic strategy to ace the JEE" - Ananye

Agarwal, AIR-3 in JEE Adv, 2017 "Informative and Inspirational! It unravels the inner workings of a topper's mind" - Amey Gupta, AIR-8 in JEE Adv, 2014 "It will enable students to follow tested winning strategies rather than reinvent the wheel" - Kartikeya Gupta, AIR-4 in JEE Adv, 2013 "It iterates on the timeless wisdom of BhagvadGita to excel not only in JEE but any goal in life" - Vishwajeet Agarwal, AIR-5 in JEE Main, 2017. More about the book can be found out at www.thejeeproject.com Problems in Inorganic Chemistry for NEET/AIIMS - Vimal Kumar Jaiswal 2018

Oswaal NCERT Problems Solutions Textbook-Exemplar Class 12 (4 Book Sets) Physics, Chemistry, Mathematics, Biology (For Exam 2022) - Oswaal Editorial Board 2021-09-30

- Chapter wise & Topic wise presentation for ease of learning •

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The Pearson Guide to Organic Chemistry for the JEE Advanced - Atul Singhal

The Pearson Guide to Organic Chemistry for the JEE Advanced is designed to help aspiring engineers understand the various important aspects of 'organic chemistry'. Each book in this series approaches the subject in a very conceptual and coherent manner. The illustrative

approach adopted in this series will help students to familiarize themselves with complex concepts and their applications in a simple manner. The book also includes a wide variety of questions.

A Textbook of Inorganic

Chemistry – Volume 1 -

Mandeep Dalal 2017-01-01

An advanced-level textbook of inorganic chemistry for the graduate (B.Sc) and postgraduate (M.Sc) students of Indian and foreign universities. This book is a part of four volume series, entitled "A Textbook of Inorganic Chemistry – Volume I, II, III, IV". CONTENTS: Chapter 1. Stereochemistry and Bonding in Main Group Compounds: VSEPR theory, $d\pi - p\pi$ bonds, Bent rule and energetic of hybridization. Chapter 2. Metal-Ligand Equilibria in Solution: Stepwise and overall formation constants and their interactions, Trends in stepwise constants, Factors affecting stability of metal

complexes with reference to the nature of metal ion and ligand, Chelate effect and its thermodynamic origin, Determination of binary formation constants by pH-metry and spectrophotometry. Chapter 3. Reaction Mechanism of Transition Metal Complexes – I: Inert and labile complexes, Mechanisms for ligand replacement reactions, Formation of complexes from aquo ions, Ligand displacement reactions in octahedral complexes- acid hydrolysis, Base hydrolysis, Racemization of tris chelate complexes, Electrophilic attack on ligands. Chapter 4. Reaction Mechanism of Transition Metal Complexes – II: Mechanism of ligand displacement reactions in square planar complexes, The trans effect, Theories of trans effect, Mechanism of electron transfer reactions – types; Outer sphere electron transfer mechanism and inner sphere electron transfer mechanism,

Electron exchange. Chapter 5. Isopoly and Heteropoly Acids and Salts: Isopoly and Heteropoly acids and salts of Mo and W: structures of isopoly and heteropoly anions. Chapter 6. Crystal Structures: Structures of some binary and ternary compounds such as fluorite, antiferite, rutile, antirutile, cristobalite, layer lattices- CdI₂, BiI₃; ReO₃, Mn₂O₃, corundum, perovskite, Ilmenite and Calcite. Chapter 7. Metal-Ligand Bonding: Limitation of crystal field theory, Molecular orbital theory, octahedral, tetrahedral or square planar complexes, π -bonding and molecular orbital theory. Chapter 8. Electronic Spectra of Transition Metal Complexes: Spectroscopic ground states, Correlation and spin-orbit coupling in free ions for 1st series of transition metals, Orgel and Tanabe-Sugano diagrams for transition metal complexes (d¹ – d⁹ states), Calculation of Dq, B and β parameters, Effect of

distortion on the d-orbital energy levels, Structural evidence from electronic spectrum, Jahn-Teller effect, Spectrochemical and nephelauxetic series, Charge transfer spectra, Electronic spectra of molecular addition compounds. Chapter 9. Magnetic Properties of Transition Metal Complexes: Elementary theory of magneto - chemistry, Guoy's method for determination of magnetic susceptibility, Calculation of magnetic moments, Magnetic properties of free ions, Orbital contribution, effect of ligand-field, Application of magneto-chemistry in structure determination, Magnetic exchange coupling and spin state cross over. Chapter 10. Metal Clusters: Structure and bonding in higher boranes, Wade's rules, Carboranes, Metal Carbonyl Clusters - Low Nuclearity Carbonyl Clusters, Total Electron Count (TEC). Chapter 11. Metal- π Complexes: Metal carbonyls, structure and bonding,

Vibrational spectra of metal carbonyls for bonding and structure elucidation, Important reactions of metal carbonyls; Preparation, bonding, structure and important reactions of transition metal nitrosyl, dinitrogen and dioxygen complexes; Tertiary phosphine as ligand.

Kota Handwritten Notes for INORGANIC CHEMISTRY

(Volume 1) - Raju Sharma
2018-06-15

These notes are actual classroom notes of Top Coaching classes of Kota. Kota is known for its coaching centres. Please go through a preview of the book to know about its content. Inorganic Chemistry

Atkins' Physical Chemistry 11e -
Peter Atkins 2019-08-20

Atkins' Physical Chemistry: Molecular Thermodynamics and Kinetics is designed for use on the second semester of a quantum-first physical chemistry course. Based on the hugely

popular Atkins' Physical Chemistry, this volume approaches molecular thermodynamics with the assumption that students will have studied quantum mechanics in their first semester. The exceptional quality of previous editions has been built upon to make this new edition of Atkins' Physical Chemistry even more closely suited to the needs of both lecturers and students. Re-organised into discrete 'topics', the text is more flexible to teach from and more readable for students. Now in its eleventh edition, the text has been enhanced with additional learning features and maths support to demonstrate the absolute centrality of mathematics to physical chemistry. Increasing the digestibility of the text in this new approach, the reader is brought to a question, then the math is used to show how it can be answered and progress made.

The expanded and redistributed maths support also includes new 'Chemist's toolkits' which provide students with succinct reminders of mathematical concepts and techniques right where they need them. Checklists of key concepts at the end of each topic add to the extensive learning support provided throughout the book, to reinforce the main take-home messages in each section. The coupling of the broad coverage of the subject with a structure and use of pedagogy that is even more innovative will ensure Atkins' Physical Chemistry remains the textbook of choice for studying physical chemistry.

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study material Oswaal QR Codes:
Easy to scan QR codes for online
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wise questions distribution in
each subject Two SQPs based on
the latest pattern Tips to crack
NEET Top 50 Medical Institutes
Ranks Trend Analysis: Chapter-
wise

**Fundamentals of Physical
Chemistry** - Ananya Ganguly
Fundamentals of Physical
Chemistry is the signature
compilation of the class tested
notes of iconic chemistry coach
Ananya Ganguly. Her unique
teaching methodology and
authoritative approach in
teaching of concepts, their
application and strategy is ideal
for preparing for the IITJEE

examinations. The author's impeccable command and the authority on each foray of chemistry teaching are visible in each chapter and the chapter ending exercises. Each chapter unfolds the structured, systematic and patterned chemistry concepts in lucid and student friendly approach. The book is without those unnecessary frills that make the bulk in other popular books in the market for the IITJEE. An indispensable must have for in-depth comprehension of Chemistry for the coveted IITJEE.

BIOS Instant Notes in Organic Chemistry - Graham Patrick
2004-08-02

Instant Notes in Organic Chemistry, Second Edition, is the perfect text for undergraduates looking for a concise introduction to the subject, or a study guide to use before examinations. Each topic begins with a summary of essential facts—an ideal revision checklist—followed by a

description of the subject that focuses on core information, with clear, simple diagrams that are easy for students to understand and recall in essays and exams.

A Textbook of Inorganic Chemistry - Arihant Experts
2019-02-14

Getting hold of the concepts of Inorganic Chemistry for an adequate study preparation of JEE Main and Advanced requires one to go beyond their traditional textbooks. "A Textbook of Inorganic Chemistry for JEE Main and Advanced," housed with the natural flow of the topics is our best-selling title meeting the needs of the JEE Aspirants for a long time. The revised edition covers the subject matter thoroughly into 20 chapters. Target Practice Exercise and Master Exercise really help aspirants master the elements and compounds involved in Inorganic Chemistry and the concise text with detailed information supported by illustrations helps

understand it in day-to-day life.
Packed with a compelling and
relevant set of study resources for

JEE Main and Advanced, it is a
must-have book for all those who
want to get admission into
engineering institutes of India.