

# Work Done On An Ideal Gas

Physics Gravitation & Thermodynamics 50,000 MCQ Vol.02 Solved Papers  
 Zero to Hero Physics Volume 01 for High School & College  
 Essentials of Thermodynamics  
 APlusPhysics  
 Classical and Quantum Thermal Physics  
 IIT Physics-I  
 INTERMEDIATE I YEAR PHYSICS(English Medium) Question Bank  
 IIT-JEE Main and Advanced Chemistry  
 2024-25 NTA NEET Chemistry Solved Papers  
 Thermodynamics and Chemistry, by F. H. MacDougall  
 The Complete Physics Guide for NEET / AIIMS / JIPMER  
 A Life Scientist's Guide to Physical Chemistry  
 Thermodynamics And Statistical Mechanics  
 Objective Physics Vol 1 for Engineering Entrances 2022  
 Engineering Thermodynamics  
 Thermodynamics and Thermal Engineering  
 Oswaal NCERT Exemplar (Problems - solutions) Class 11 Chemistry Book  
 A Textbook of Engineering Mechanics  
 Atmospheric Science  
 A Problem Book In CHEMISTRY for IIT JEE  
 Physics Vol.2 (2023-24 NTA/NEET/JEE Main)  
 Oswaal NCERT Exemplar (Problems - Solutions) Class 11 Physics, Chemistry and Mathematics (Set of 3 Books) For 2024 Exam  
 Physical Chemistry for the Biosciences  
 Statistical Physics of Biomolecules  
 Principles of Physics  
 NTA NEET 40 Days Crash Course in Physics with 31 Online Test Series 3rd Edition  
 NEET UG Physics Study Notes with Theory + Practice MCQs for Complete Preparation | Based on New Syllabus as per NMC  
 University Physics: Australian edition  
 Oswaal NCERT Exemplar (Problems - Solutions) Class 11 Physics, Chemistry and Biology (Set of 3 Books) For 2024 Exam  
 43 Years Chapterwise Topicwise Solved Papers (2021-1979) IIT JEE Physics  
 Introductory Physics for the Life Sciences: (Volume 2)  
 Thermodynamics  
 Advanced Physical Chemistry  
 Physics for Scientists and Engineers with Modern Physics  
 B.Sc Agriculture Entrance Exam 2022 (BHU)| 1900+ Solved Questions (8 Mock Tests + 10 Sectional Tests)  
 Physics for Scientists and Engineers, Volume 1B: Oscillations and Waves; Thermodynamics  
 University Physics  
 Physics for Scientists and Engineers  
 Physics for Scientists and Engineers, Volume 1: Mechanics, Oscillations and Waves; Thermodynamics

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## PHELPS AVILA

*Physics Gravitation & Thermodynamics 50,000 MCQ Vol.02 Solved Papers* Cambridge University Press  
 Renowned for its interactive focus on conceptual understanding, Halliday and Resnick's Principles of Physics, 12th edition, is an industry-leading resource in physics teaching with expansive, insightful, and accessible treatments of a wide variety of subjects. Focusing on several contemporary areas of research and a wide array of tools that support students' active learning, this book guides students through the process of learning how to effectively read scientific material, identify fundamental concepts, reason through scientific questions, and solve quantitative problems. This International Adaptation of the twelfth edition is built to be a learning center with practice opportunities, simulations, and videos. Numerous practice and assessment questions are available to ensure that students understand the problem-solving processes behind key concepts and understand their mistakes while working through problems.  
**Zero to Hero Physics Volume 01 for High School & College**

## YOUTH COMPETITION TIMES

Key Message: This book aims to explain physics in a readable and interesting manner that is accessible and clear, and to teach readers by anticipating their needs and difficulties without oversimplifying. Physics is a description of reality, and thus each topic begins with concrete observations and experiences that readers can directly relate to. We then move on to the generalizations and more formal treatment of the topic. Not only does this make the material more interesting and easier to understand, but it is closer to the way physics is actually practiced. Key Topics: INTRODUCTION, MEASUREMENT, ESTIMATING, DESCRIBING MOTION: KINEMATICS IN ONE DIMENSION, KINEMATICS IN TWO OR THREE DIMENSIONS; VECTORS, DYNAMICS: NEWTON'S LAWS OF MOTION , USING NEWTON'S LAWS: FRICTION, CIRCULAR MOTION, DRAG FORCES, GRAVITATION AND NEWTON'S6 SYNTHESIS , WORK AND ENERGY , CONSERVATION OF ENERGY , LINEAR MOMENTUM , ROTATIONAL MOTION , ANGULAR MOMENTUM; GENERAL ROTATION , STATIC EQUILIBRIUM; ELASTICITY AND FRACTURE , FLUIDS , OSCILLATIONS , WAVE MOTION, SOUND , TEMPERATURE, THERMAL EXPANSION, AND THE IDEAL GAS LAW KINETIC THEORY OF GASES, HEAT AND THE FIRST LAW OF THERMODYNAMICS ,

SECOND LAW OF THERMODYNAMICS , ELECTRIC CHARGE AND ELECTRIC FIELD , GAUSS'S LAW , ELECTRIC POTENTIAL , CAPACITANCE, DIELECTRICS, ELECTRIC ENERGY STORAGE ELECTRIC CURRENTS AND RESISTANCE, DC CIRCUITS, MAGNETISM, SOURCES OF MAGNETIC FIELD, ELECTROMAGNETIC INDUCTION AND FARADAY'S LAW, INDUCTANCE, ELECTROMAGNETIC OSCILLATIONS, AND AC CIRCUITS, MAXWELL'S EQUATIONS AND ELECTROMAGNETIC WAVES, LIGHT: REFLECTION AND REFRACTION, LENSES AND OPTICAL INSTRUMENTS, THE WAVE NATURE OF LIGHT; INTERFERENCE, DIFFRACTION AND POLARIZATION, SPECIAL THEORY OF RELATIVITY, EARLY QUANTUM THEORY AND MODELS OF THE ATOM, QUANTUM MECHANICS, QUANTUM MECHANICS OF ATOMS, MOLECULES AND SOLIDS, NUCLEAR PHYSICS AND RADIOACTIVITY, NUCLEAR ENERGY: EFFECTS AND USES OF RADIATION, ELEMENTARY PARTICLES, ASTROPHYSICS AND COSMOLOGY Market Description: This book is written for readers interested in learning the basics of physics.

Essentials of Thermodynamics S. Chand Publishing

This is the standard text for introductory physics courses taken by science and engineering students. This edition has been extensively revised, with new artwork and updated examples.

**APlusPhysics** I. K. International Pvt Ltd

This textbook provides an accessible introduction to physics for undergraduate students in the life sciences, including those majoring in all branches of biology, biochemistry, and psychology and students working on pre-professional programs such as pre-medical, pre-dental, and physical therapy. The text is geared for the algebra-based physics course, often named College Physics in the United States. The order of topics studied in this volume requires students to first understand a concept, such as the conservation of energy, momentum, voltage, or current, the change in a quantity such as entropy, or the rules of ray and wave optics. Then, students apply these concepts to solve problems in the areas of thermodynamics, electrical circuit, optics, and atomic and nuclear physics. Throughout the text these quantity-based applications are used to understand systems that are critical to the understanding of biological systems, such as the entropy of evolution, the signal down the axon of a nerve cell, the optics of the eye, and the operation of a laser. This is part 2 of a two-volume set; volume 1 introduced students to the methods of mechanics and applied these problem-solving techniques to explicitly biological topics such as the sedimentation rate of red blood cells in haemoglobin, the torques and forces on a bacterium employing a flagellum to propel itself through a viscous fluid, and the terminal velocity of a protein moving in a gel electrophoresis device. Key features: Organized and centered around analysis techniques, not traditional mechanics and E&M Presents a unified approach, in a different order, meaning that the same laboratories, equipment, and demonstrations can be used when teaching the course Demonstrates to students that the analysis and concepts they are learning are critical to the understanding of biological systems

*Classical and Quantum Thermal Physics* Arihant Publications India limited

Intermediate First Year PHYSICS Question bank Issued by Board of Intermediate Education

*IIT Physics-I* Pearson Education

Essentials of Thermodynamics offers a fresh perspective on classical thermodynamics and its explanation of natural phenomena. It combines fundamental principles with applications to offer an integrated resource for students, teachers and experts alike. The essence of classic texts has been distilled to give a balanced and in-depth treatment, including a detailed history of

ideas which explains how thermodynamics evolved without knowledge of the underlying atomic structure of matter. The principles are illustrated by a vast range of applications, such as osmotic pressure, how solids melt and liquids boil, the incredible race to reach absolute zero, and the modern theme of the renormalization group. Topics are handled using a variety of techniques, which helps readers see how concepts such as entropy and free energy can be applied to many situations, and in diverse ways. The book has a large number of solved examples and problems in each chapter, as well as a carefully selected guide to further reading. The treatment of traditional topics like the three laws of thermodynamics, Carnot cycles, Clapeyron equation, phase equilibria, and dilute solutions is considerably more detailed than usual. For example, the chapter on Carnot cycles discusses exotic cases like the photon cycle along with more practical ones like the Otto, Diesel and Rankine cycles. There is a chapter on critical phenomena that is modern and yet highly pedagogical and contains a first principles calculation of the critical exponents of Van der Waals systems. Topics like entropy constants, surface thermodynamics, and superconducting phase transitions are explained in depth while maintaining accessibility for different readers.

**INTERMEDIATE I YEAR PHYSICS(English Medium) Question Bank** Disha Publications

Description of the product: • 100% Updated with Latest NCERT Exemplar • Crisp Revision with Quick Review • Concept Clarity with Mind Maps & Concept wise videos • Latest Typologies of Questions with MCQs, VSA, SA & LA • 100% Exam Readiness with Commonly made Errors & Expert Advice

*IIT-JEE Main and Advanced Chemistry* YOUTH COMPETITION TIMES Atmospheric Science, Second Edition, is the long-awaited update of the classic atmospheric science text, which helped define the field nearly 30 years ago and has served as the cornerstone for most university curricula. Now students and professionals alike can use this updated classic to understand atmospheric phenomena in the context of the latest discoveries, and prepare themselves for more advanced study and real-life problem solving. This latest edition of Atmospheric Science, has been revamped in terms of content and appearance. It contains new chapters on atmospheric chemistry, the Earth system, the atmospheric boundary layer, and climate, as well as enhanced treatment of atmospheric dynamics, radiative transfer, severe storms, and global warming. The authors illustrate concepts with full-color, state-of-the-art imagery and cover a vast amount of new information in the field. Extensive numerical and qualitative exercises help students apply basic physical principles to atmospheric problems. There are also biographical footnotes summarizing the work of key scientists, along with a student companion website that hosts climate data; answers to quantitative exercises; full solutions to selected exercises; skew-T log p chart; related links, appendices; and more. The instructor website features: instructor's guide; solutions to quantitative exercises; electronic figures from the book; plus supplementary images for use in classroom presentations. Meteorology students at both advanced undergraduate and graduate levels will find this book extremely useful. - Full-color satellite imagery and cloud photographs illustrate principles throughout - Extensive numerical and qualitative exercises emphasize the application of basic physical principles to problems in the atmospheric sciences - Biographical footnotes summarize the lives and work of scientists mentioned in the text, and provide students with a sense of the long history of meteorology - Companion website encourages more advanced exploration of text topics: supplementary information, images, and bonus exercises

2024-25 NTA NEET Chemistry Solved Papers Krishna Prakashan

## Media

Description of the product • Chapter-wise and Topic-wise presentation • Chapter-wise Objectives: A sneak peek into the chapter • Mind Map: A single page snapshot of the entire chapter • Revision Notes: Concept based study materials • Tips & Tricks: Useful guidelines for attempting each question perfectly • Some Commonly Made Errors: Most common and unidentified errors are focused • Expert Advice: Oswaal Expert Advice on how to score more • Oswaal QR Codes: For Quick Revision on your Mobile Phones and Tablets

**Thermodynamics and Chemistry, by F. H. MacDougall**

Prabhat Prakashan

Description of the product • Chapter-wise and Topic-wise presentation • Chapter-wise Objectives: A sneak peek into the chapter • Mind Map: A single page snapshot of the entire chapter • Revision Notes: Concept based study materials • Tips & Tricks: Useful guidelines for attempting each question perfectly • Some Commonly Made Errors: Most common and unidentified errors are focused • Expert Advice: Oswaal Expert Advice on how to score more • Oswaal QR Codes: For Quick Revision on your Mobile Phones and Tablets

*The Complete Physics Guide for NEET / AIIMS / JIPMER* Cambridge University Press

The new edition of IIT-JEE (Main & Advanced) CHEMISTRY is designed to present a whole package of Chemistry study preparation, sufficing the requirements of the aspirants who are preparing for the upcoming exam. Highlights of the Book • Exam Pattern and Chemistry Syllabus for JEE Main and Advanced included • An Analysis of IIT JEE included • Chapter-wise Theory detailed with 1000+ examples • 5000+ Chapter-wise Multiple Choice Questions • 2500+ Chapter-wise Different Format Questions • Chapter-wise Assessment Test • Chapter-wise HOTS Problems • Appendix on Equations & Glossary • JEE-Main and Advanced Mock Test • NEET Mock Test • Answers to Questions included with Explanations • Presence of accurate Diagrams and Tables From food to pharmaceuticals, Chemistry plays a huge role in making informed decisions. Therefore, this book proves a comprehensive resource of Chemistry and serves to be a suitable Study Guide for the aspirants, with focus on Qualitative Preparation and Systematic understanding of the Syllabus and Examination Level. With provision for self-assessment in Mock Tests, this book stands beneficial in imprinting concepts in the mind.

*A Life Scientist's Guide to Physical Chemistry* Arihant Publications India limited

From the hydrophobic effect to protein-ligand binding, statistical physics is relevant in almost all areas of molecular biophysics and biochemistry, making it essential for modern students of molecular behavior. But traditional presentations of this material are often difficult to penetrate. Statistical Physics of Biomolecules: An Introduction

Thermodynamics And Statistical Mechanics Laxmi Publications

This book contains an Access Code in the starting pages to access the 31 Online Tests. NTA NEET 40 Days Crash Course in Physics is the thoroughly revised, updated & redesigned study material developed for quick revision and practice of the complete syllabus of the NEET exams in a short span of 40 days. The book can prove to be the ideal material for class 12 students as they can utilise this book to revise their preparation immediately after the board exams. The book contains 27 chapters of class 11 & 12 and each Chapter contains: # NEET 5 Years at a Glance i.e., Past 5 years QUESTIONS of 2018- 2014 with TOPIC-WISE Analysis. # Detailed Mind-Maps covers entire JEE Syllabus for speedy revision. # IMPORTANT/ CRITICAL Points of the Chapter for last minute revision. # TIPS to PROBLEM

SOLVING - to help students to solve Problems in shortest possible time. # Exercise 1 CONCEPT BUILDER- A Collection of Important Topic-wise MCQs to Build Your Concepts. # Exercise 2 CONCEPT APPLICATOR - A Collection of Quality MCQs that helps sharpens your concept application ability. # Answer Keys & Detailed Solutions of all the Exercises and Past years problems are provided at the end of the chapter. # ONLINE CHAPTER TESTS - 28 Tests of 15 Questions for each chapter to check your command over the chapter. # 3 ONLINE (Full Syllabus) MOCK TESTS - To get familiar with exam pattern and complete analysis of your Performance.

Objective Physics Vol 1 for Engineering Entrances 2022

EduGorilla

A Textbook for B.Sc. (Part III and Hons.) and Postgraduate Courses of Indian Universities. In this edition, I have made major changes in the light of modern concepts introduced in syllabi at the under-graduate and postgraduate level as well. With matter has also been updated. The subject matter has been arranged systematically, in a lucid style and simple language. New Problems and exercises have also been introduced to acquaint the students with trend of questions they expect in the examinations.

Engineering Thermodynamics New Age International

Cracking JEE Main & Advanced requires skills to solve a variety of thought-provoking problems with requisite synthesis of many concepts and may additionally require tricky mathematical manipulations. 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. Ranjeet Shahi's, 1500 Selected Problems Asked in Chemistry aims to sharpen your Problem-Solving Skills according to the exam syllabi, across 30 logically sequenced chapters. Working through these chapters, you will be able to make precise inferences while avoiding the pitfalls in applying various laws of Chemistry. The Step-by-Step solutions to the problems in the book train you in both- the general and specific problem-solving strategies essential for all those appearing in JEE Main & Advanced and all other Engineering Entrance Examinations or anyone who is interested to Problem Solving in Chemistry.

**Thermodynamics and Thermal Engineering** YOUTH COMPETITION TIMES

60 Topic wise Sheets 28 Chapter wise Sheets 3100 MCQs Improves your score by atleast 20% DPP- Daily Practice Problem Page DPP 1: Physical World, Units & Dimensions 14 DPP 2: Measurements (Errors) 18 DPP 3: Motion in a Straight Line 1 (Distance, Displacement, Uniform & Non-uniform motion) 22 DPP 4: Motion in a Straight Line 2 (Relative Motion & Motion Under Gravity) 26 DPP 5: Vectors 30 DPP 6: Motion in a Plane-1 (Projectile Motion) 34 DPP 7: Motion in a Plane-2 (Horizontal Circular Motion) 38 DPP 8: Motion in a Plane-3 (Vertical Circular Motion, Relative Motion) 42 DPP 9: Laws of Motion-1 (Newton's laws, momentum, pseudo force concept) 46 DPP 10: Laws of Motion-2 (Blocks in contact, connected by string, pulley arrangement) 50 DPP 11: Laws of Motion-3 (Friction) 54 DPP 12: Work, Energy and Power-1 (Work by constant and variable forces, kinetic and potential energy, work energy theorem) 58 DPP 13: Work, Energy and Power-2 (Conservation of Momentum and energy, collision, rocket case) 62 DPP 14: Centre of Mass and Its Motion 66 DPP 15: Rotational Motion - 1: Basic Concepts of rotational motion, moment of a force, torque, angular momentum and its conservation with application 70 DPP 16: Rotational Motion-2: Moment of Inertia, radius of gyration, (values of moments of inertia simple geometrical objects) 74 DPP 17:

Rotational Motion-3: Rolling Motion, Parallel and perpendicular theorems and their applications, Rigid body rotation, equations of rotational motion 78 DPP 18: Gravitation - 1 (The Universal law of gravitation, Acceleration due to gravity and its variation with altitude and depth, Kepler's law of planetary motion) 82 DPP 19: Gravitation - 2 (Gravitational potential energy, Gravitational potential, Escape velocity & Orbital velocity of a satellite, Geo-stationary satellites) 86 DPP 20: Mechanical properties of solids 90 DPP 21: Fluid Mechanics 94 DPP 22: Thermal Expansion, calorimetry and change of state 98 DPP 23: Heat Transfer & Newton's Law of Cooling 102 DPP 24: ThermoDynamics-1 (Thermal equilibrium, zeroth law of thermodynamics, concept of temperature, Heat, work and internal energy, Different thermodynamic processes) 106 DPP 25: ThermoDynamics-2 (1st and 2nd laws of ThermoDynamics, Reversible & irreversible process, Carnot engine and its efficiency) 110 DPP 26: Kinetic Theory 114 DPP 27: Oscillations-1 (Periodic motion - period, Frequency, Displacement as a function of time, Periodic functions, Simple harmonic motion and its equation, Energy in S.H.M, - kinetic and potential energies) 118 DPP 28: Oscillations-2 (Oscillations of a spring, simple pendulum, free, forced and damped oscillations, Resonance) 122 DPP 29: Waves-1 (Wave motion, longitudinal and transverse waves, speed of a wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves) 126 DPP 30: Waves-2 (Standing waves in strings and organ pipes, Fundamental mode and harmonics, Beats, Doppler effect in sound) 130 DPP 31: Practical Physics - 1 134 DPP 32: ElectroStatics - 1 (Coulomb's law, electric field, field lines, Gauss's law) 138 DPP-33: ELECTROSTATICS-2 (Electric potential and potential difference, equipotential surfaces, electric dipole) 142 DPP-34: ELECTROSTATICS -3 (Electrostatic Potential energy, conductors) 146 DPP-35: ELECTROSTATICS-4 (Capacitors, dielectrics) 150 DPP-36: CURRENT ELECTRICITY - 1 (Electric Current, drift velocity, Ohm's law, Electrical resistance, Resistances of different materials, V-I characteristics of Ohm and non-ohmic conductors, electrical energy and power, Electrical resistivity, Colour code of resistors, Temperature dependence of resistance) 154 DPP-37: CURRENT ELECTRICITY - 2 Electrical cell and its internal resistance, Potential difference and E.M.F of a cell, Combination of cells in series and in parallel, Kirchoff's laws and their applications, RC transient circuit, Galvanometer, Ammeter, Voltmeter] 158 DPP-38: CURRENT ELECTRICITY-3 : Wheatstone bridge, Meter bridge, Potentiometer-principle and its applications 162 DPP-39: MAGNETIC EFFECTS OF CURRENT-1 (Magnetic field due to current carrying wires, Biot savart law) 166 DPP-40: MAGNETIC EFFECTS OF CURRENT-2 : (Motion of charge particle in a magnetic field, force between current carrying wires.) 170 DPP-41: MAGNETIC EFFECTS OF CURRENT-3 (Magnetic dipole, Current carrying loop in magnetic field, Galvanometer) 174 DPP-42: MAGNETISM AND MATTER - 1 (Bar magnet as an equivalent solenoid, Magnetic field lines, Earth's magnetic field and magnetic elements) 178 DPP-43: MAGNETISM & MATTER-2 (Para, dia and ferro-magnetic substances, magnetic susceptibility and permeability, Hysteresis, Electromagnets and permanent magnets.) 182 DPP-44: ELECTROMAGNETIC INDUCTION-1 (Magnetic flux, Faraday's law of electromagnetic induction, Lenz's law, motional e.m.f.) 186 DPP-45: ELECTROMAGNETIC INDUCTION - 2 : Self inductance, mutual inductance, Growth and decay of current in L.R. circuit, Transformer, Electric motor, Generator 190 DPP-46: ALTERNATING CURRENT - 1 (Alternating currents, peak and rms value of alternating current/voltage; reactance and impedance, Pure circuits, LR, CR ac circuits.) 194 DPP-47: ALTERNATING CURRENT - 2 (LCR series circuit, resonance, quality factor, power in AC circuits, wattless and power current) 198

DPP-48: EM WAVES 202 DPP-49: RAY OPTICS-1 (Reflection on plane mirrors and curved mirrors) 206 DPP-50: RAY OPTICS - II (Refraction on plane surface, total internal reflection, prism) 210 DPP-51: RAY OPTICS - 3 (Refraction on curved surface lens, Optical instrument) 214 DPP-52: WAVE OPTICS - I (Interference of Light) 218 DPP-53: WAVE OPTICS - II (Diffraction and polarisation of light) 222 DPP-54: DUAL NATURE OF MATTER & RADIATION (Matter Waves, Photon, Photoelectric effect, X-ray) 226 DPP-55: ATOMS 230 DPP-56: NUCLEI 234 DPP-57: SEMICONDUCTOR ELECTRONICS - 1 (Semiconductors, LED, Photodiode, Zener diode) 238 DPP-58: SEMICONDUCTOR ELECTRONICS-2 (Junction transistor, transistor action, characteristics of a transistor, transistor as an amplifier, logic gates) 242 DPP-59: COMMUNICATION SYSTEMS, LASER 246 DPP-60: PRACTICAL PHYSICS - 2 250 Solutions to Topic-wise DPP Sheets (1-60) 254 Part B : Chapter-wise DPP Sheets 418 INDEX/CHAPTERS 419 DPP-1: PHYSICAL WORLD, UNITS & MEASUREMENTS 421 DPP-2: MOTION IN A STRAIGHT LINE 425 DPP-3: MOTION IN A PLANE 429 DPP-4: LAWS OF MOTION 433 DPP-5: WORK, ENERGY AND POWER 437 DPP-6: SYSTEM OF PARTICLES AND ROTATIONAL MOTION 441 DPP-7: GRAVITATION 445 DPP-8: MECHANICAL PROPERTIES OF SOLIDS 449 DPP-9: MECHANICAL PROPERTIES OF FLUIDS 453 DPP-10: THERMAL PROPERTIES OF MATTER 457 DPP-11: THERMODYNAMICS 461 DPP-12: KINETIC THEORY 465 DPP-13: OSCILLATIONS 469 DPP-14: WAVES 473 DPP-15: ELECTRIC CHARGES AND FIELDS 477 DPP-16: ELECTROSTATIC POTENTIAL & CAPACITANCE 481 DPP-17: CURRENT ELECTRICITY 485 DPP-18: MOVING CHARGES AND MAGNETISM 489 DPP-19: MAGNETISM AND MATTER 493 DPP-20: ELECTROMAGNETIC INDUCTION 497 DPP-21: ALTERNATING CURRENT 501 DPP-22 ELECTROMAGNETIC WAVES 505 DPP-23 RAY OPTICS AND OPTICAL INSTRUMENTS 509 DPP-24 WAVE OPTICS 513 DPP-25 DUAL NATURE OF RADIATION AND MATTER 517 DPP-26 ATOMS 521 DPP-27 NUCLEI 525 DPP-28 SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITS 529 Solutions To Chapter-wise DPP Sheets (1-28) 533 softproms2@gmail.com sunithakumarims@gmail.com, +91 8220454003

### **Oswaal NCERT Exemplar (Problems - solutions) Class 11 Chemistry Book** Oswaal Books

Although the focus of this textbook is on traditional thermodynamics topics, the book is concerned with introducing the thermal-fluid sciences as well. It is designed for the instructor to select topics and seamlessly combine them with material from other chapters. Pedagogical devices include: learning objectives, chapter overviews and summaries, historical perspectives, and numerous examples, questions, problems and lavish illustrations. Students are encouraged to use the National Institute of Science and Technology (NIST) online properties database.

*A Textbook of Engineering Mechanics* EduGorilla Community Pvt. Ltd.

This book provides a comprehensive exposition of the theory of equilibrium thermodynamics and statistical mechanics at a level suitable for well-prepared undergraduate students. The fundamental message of the book is that all results in equilibrium thermodynamics and statistical mechanics follow from a single unprovable axiom — namely, the principle of equal a priori probabilities — combined with elementary probability theory, elementary classical mechanics, and elementary quantum mechanics.

*Atmospheric Science* University Science Books

Demonstrates how the tools of physical chemistry can be applied to biological questions, with numerous exercises and clearly-worked examples.

**A Problem Book In CHEMISTRY for IIT JEE** CRC Press

This is an extensively revised edition of Paul Tipler's standard

text for calculus-based introductory physics courses. It includes entirely new artwork, updated examples and new pedagogical

features. There is also an online instructor's resource manual to support the text.