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Chemistry
Lakhmir Singh's Science for Class 7
Biocentrism
Alberuni's India
The Elements of Euclid, with many additional propositions, and explanatory notes, by H. Law. Pt. 2, containing the 4th, 5th, 6th, 11th, & 12th books

The Scientific Imagination

Equality 7-2521 finds himself out of step with the

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collectivist society of the future, and discovers a means to freedom in Ayn Rand's fable of the individual in conflict with society. First published in 1938, Anthem takes place in a dystopian future world in which humanity is enduring a new dark age, human life is regimented in every respect and personal identity has been all but snuffed out by a totalitarian government. The narrator, writing his story in secret, realizes he is a criminal simply for having thoughts of his own. Exploring the ruins of a previous civilization he discovers relics, conducts forbidden experiments and learns enough to question the very structure of his society. Can he share this knowledge with his fellow citizens? The author strips the relationship of humanity to civilization down to its bare essence in this modern parable that starkly illuminates the challenge an oppressive government presents to individuality. With an eye-catching new cover, and professionally typeset manuscript, this edition of Anthem is both modern and readable.

Physics in a New Era

The new Xam Idea for Class XII Physics 2020-21 has been thoroughly revised, diligently designed, and uniquely formatted in accordance with CBSE requirements and NCERT guidelines. The features of the new Xam Idea are as follows: 1. The book has been thoroughly revised as per the new CBSE Examination Paper design. 2. The book is divided into two Sections: Part-A and Part-B. 3. Part-A includes the following: · Each Chapter is summarised in 'Basic Concepts'. · Important NCERT Textbook and NCERT

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Exemplar questions have been incorporated. · Previous Years' Questions have been added under different sections according to their marks. · Objective Type Questions have been included as per new CBSE guidelines. These include Multiple Choice Questions, Very Short Answer Questions, and Fill in the Blanks carrying 1 mark each. · Short Answer Questions carrying 2 marks each and Long Answer Questions carrying 3 marks and 5 marks have also been added. · At the end of every chapter, Self-Assessment Test has been given to test the extent of grasp by the student. 4. Part-B includes the following: · CBSE Sample Question Paper 2020 with complete solution. · Blueprint as per latest CBSE Sample Question Paper and Examination Paper 2020. · Unsolved Model Question Papers for ample practice by the student. · Solved CBSE Examination Papers 2020 (55/1/1), (55/1/2) and (55/1/3). · Solved sets of remaining four regions' CBSE Examination Papers are given in QR code.

Anthem

Modern Physics

Themes in World History

The Physics of Superheroes

Robert Lanza is one of the most respected scientists

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in the world a US News and World Report cover story called him a genius and a renegade thinker, even likening him to Einstein. Lanza has teamed with Bob Berman, the most widely read astronomer in the world, to produce Biocentrism, a revolutionary new view of the universe. Every now and then a simple yet radical idea shakes the very foundations of knowledge. The startling discovery that the world was not flat challenged and ultimately changed the way people perceived themselves and their relationship with the world. For most humans of the 15th century, the notion of Earth as ball of rock was nonsense. The whole of Western, natural philosophy is undergoing a sea change again, increasingly being forced upon us by the experimental findings of quantum theory, and at the same time, toward doubt and uncertainty in the physical explanations of the universes genesis and structure. Biocentrism completes this shift in worldview, turning the planet upside down again with the revolutionary view that life creates the universe instead of the other way around. In this paradigm, life is not an accidental byproduct of the laws of physics. Biocentrism takes the reader on a seemingly improbable but ultimately inescapable journey through a foreign universe our own from the viewpoints of an acclaimed biologist and a leading astronomer. Switching perspective from physics to biology unlocks the cages in which Western science has unwittingly managed to confine itself. Biocentrism will shatter the readers ideas of life--time and space, and even death. At the same time it will release us from the dull worldview of life being merely the activity of an admixture of carbon and a few other elements; it suggests the exhilarating possibility that

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life is fundamentally immortal. The 21st century is predicted to be the Century of Biology, a shift from the previous century dominated by physics. It seems fitting, then, to begin the century by turning the universe outside-in and unifying the foundations of science with a simple idea discovered by one of the leading life-scientists of our age. Biocentrism awakens in readers a new sense of possibility, and is full of so many shocking new perspectives that the reader will never see reality the same way again.

University Physics

Lakhmir Singh's Science is a series of books which conforms to the NCERT syllabus. The main aim of writing this series is to help students understand difficult scientific concepts in a simple manner in easy language. The ebook version does not contain CD.

Newton's Principia

An exploration of the science behind the powers of popular comic superheroes and villains illustrates the physics principles underlying the supernatural abilities of such characters as Superman, Magneto, and Spider-Man.

Conceptual Physics

This text blends traditional introductory physics topics with an emphasis on human applications and an expanded coverage of modern physics topics, such as the existence of atoms and the conversion of mass

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into energy. Topical coverage is combined with the author's lively, conversational writing style, innovative features, the direct and clear manner of presentation, and the emphasis on problem solving and practical applications.

Modern Physics for IIT-JEE

Leviathan By Thomas Hobbes

Fundamental Problems in Quantum Physics

Experiments which in previous years were made with ornamental plants have already afforded evidence that the hybrids, as a rule, are not exactly intermediate between the parental species. With some of the more striking characters, those, for instance, which relate to the form and size of the leaves, the pubescence of the several parts, etc., the intermediate, indeed, is nearly always to be seen; in other cases, however, one of the two parental characters is so preponderant that it is difficult, or quite impossible, to detect the other in the hybrid.

from 4. The Forms of the Hybrid

One of the most influential and important scientific works ever written, the 1865 paper *Experiments in Plant Hybridisation* was all but ignored in its day, and its author, Austrian priest and scientist GREGOR JOHANN MENDEL (1822-1884), died before seeing the dramatic long-term impact of his work, which was rediscovered at the turn of the 20th century and is now considered foundational to modern genetics. A simple, eloquent

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description of his 1856-1863 study of the inheritance of traits in pea plants. Mendel analyzed 29,000 of them. This is essential reading for biology students and readers of science history. Cosimo presents this compact edition from the 1909 translation by British geneticist WILLIAM BATESON (1861-1926).

Angels and Demons

Physical Education Book

Scientific Information Notes

Hiroshima

Experiments in Plant Hybridisation

This epoch-making and monumental work on Vedic Mathematics unfolds a new method of approach. It relates to the truth of numbers and magnitudes equally applicable to all sciences and arts.

Xam Idea Physics for CBSE Class 12-2021

Physical Education Class 12

The author of the world wide best-seller, Small Is Beautiful, now tackles the subject of Man, the World,

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and the Meaning of Living. Schumacher writes about man's relation to the world. man has obligations -- to other men, to the earth, to progress and technology, but most importantly himself. If man can fulfill these obligations, then and only then can he enjoy a real relationship with the world, then and only then can he know the meaning of living. Schumacher says we need maps: a "map of knowledge" and a "map of living." The concern of the mapmaker--in this instance, Schumacher--is to find for everything its proper place. Things out of place tend to get lost; they become invisible and their proper places end to be filled by other things that ought not be there at all and therefore serve to mislead. A Guide for the Perplexed teaches us to be our own map makers. This constantly surprising, always stimulating book will be welcomed by a large audience, including the many new fans who believe strongly in what Schumacher has to say.

Notes on Observations

Modern Physics for IIT-JEE, board exams and other competitive exams. Chapters covered are: Photoelectric Effect, Atomic Structure, X-Rays, Nuclear Physics. Features of the Book: 1. Comprehensive theory in simple and easy language. 2. Explanations with examples which help in stronger understanding. 3. Lots of solved examples. 4. Practice questions with answers. 5. As per the current trend of competitive exams.

College Physics for AP® Courses

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Tells how research aimed at a cure for pneumonia, based on the determination of how an inactive bacterium became active, led to an understanding of the role of DNA

Macroeconomics

GUIDE FOR THE PERPLEXED

For many physicists quantum theory contains strong conceptual difficulties, while for others the apparent conclusions about the reality of our physical world and the ways in which we discover that reality remain philosophically unacceptable. This book focuses on recent theoretical and experimental developments in the foundations of quantum physics, including topics such as the puzzles and paradoxes which appear when general relativity and quantum mechanics are combined; the emergence of classical properties from quantum mechanics; stochastic electrodynamics; EPR experiments and Bell's Theorem; the consistent histories approach and the problem of datum uniqueness in quantum mechanics; non-local measurements and teleportation of quantum states; quantum non-demolition measurements in optics and matter wave properties observed by neutron, electron and atomic interferometry. Audience: This volume is intended for graduate students of physics and those interested in the foundations of quantum theory.

Geometrical & Physical Optics

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Page after page, this title proves that the power of attraction is undeniable. Readers move beyond a simple fascination with the power of magnets to a clear understanding of the science behind magnetism. Natural magnets, Earth's magnetic field, and the ties between electricity and magnetism are all featured, in addition to the creation and use of magnets in commercial and everyday applications. Information about the life and work of physicist Joseph Henry, a leading electromagnetism pioneer, and a timeline of important dates in the field are also included.

Lakhmir Singh's Science for Class 8

Vedic Mathematics

University Physics is designed for the two- or three-semester calculus-based physics course. The text has been developed to meet the scope and sequence of most university physics courses and provides a foundation for a career in mathematics, science, or engineering. The book provides an important opportunity for students to learn the core concepts of physics and understand how those concepts apply to their lives and to the world around them. Due to the comprehensive nature of the material, we are offering the book in three volumes for flexibility and efficiency. Coverage and Scope Our University Physics textbook adheres to the scope and sequence of most two- and three-semester physics courses nationwide. We have worked to make physics interesting and accessible to students while maintaining the mathematical rigor

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inherent in the subject. With this objective in mind, the content of this textbook has been developed and arranged to provide a logical progression from fundamental to more advanced concepts, building upon what students have already learned and emphasizing connections between topics and between theory and applications. The goal of each section is to enable students not just to recognize concepts, but to work with them in ways that will be useful in later courses and future careers. The organization and pedagogical features were developed and vetted with feedback from science educators dedicated to the project.

VOLUME I Unit 1: Mechanics Chapter 1: Units and Measurement Chapter 2: Vectors Chapter 3: Motion Along a Straight Line Chapter 4: Motion in Two and Three Dimensions Chapter 5: Newton's Laws of Motion Chapter 6: Applications of Newton's Laws Chapter 7: Work and Kinetic Energy Chapter 8: Potential Energy and Conservation of Energy Chapter 9: Linear Momentum and Collisions Chapter 10: Fixed-Axis Rotation Chapter 11: Angular Momentum Chapter 12: Static Equilibrium and Elasticity Chapter 13: Gravitation Chapter 14: Fluid Mechanics Unit 2: Waves and Acoustics Chapter 15: Oscillations Chapter 16: Waves Chapter 17: Sound

Concepts Of Physics

Gravitation

Physics at the beginning of the twenty-first century

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has reached new levels of accomplishment and impact in a society and nation that are changing rapidly. Accomplishments have led us into the information age and fueled broad technological and economic development. The pace of discovery is quickening and stronger links with other fields such as the biological sciences are being developed. The intellectual reach has never been greater, and the questions being asked are more ambitious than ever before. Physics in a New Era is the final report of the NRC's six-volume decadal physics survey. The book reviews the frontiers of physics research, examines the role of physics in our society, and makes recommendations designed to strengthen physics and its ability to serve important needs such as national security, the economy, information technology, and education.

The Basics of Magnetism

Lakhmir Singh's Science is a series of books which conforms to the NCERT syllabus. The main aim of writing this series is to help students understand difficult scientific concepts in a simple manner in easy language. The ebook version does not contain CD.

The Scientific Imagination: Case Studies

The Transforming Principle

"Glorious."—Wall Street Journal Rescued from obscurity, Feynman's Lost Lecture is a blessing for all

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Feynman followers. Most know Richard Feynman for the hilarious anecdotes and exploits in his best-selling books "Surely You're Joking, Mr. Feynman!" and "What Do You Care What Other People Think?" But not always obvious in those stories was his brilliance as a pure scientist—one of the century's greatest physicists. With this book and CD, we hear the voice of the great Feynman in all his ingenuity, insight, and acumen for argument. This breathtaking lecture—"The Motion of the Planets Around the Sun"—uses nothing more advanced than high-school geometry to explain why the planets orbit the sun elliptically rather than in perfect circles, and conclusively demonstrates the astonishing fact that has mystified and intrigued thinkers since Newton: Nature obeys mathematics. David and Judith Goodstein give us a beautifully written short memoir of life with Feynman, provide meticulous commentary on the lecture itself, and relate the exciting story of their effort to chase down one of Feynman's most original and scintillating lectures.

Science for Tenth Class Part 2 Biology

First published in 1973, Gravitation is a landmark graduate-level textbook that presents Einstein's general theory of relativity and offers a rigorous, full-year course on the physics of gravitation. Upon publication, Science called it "a pedagogic masterpiece," and it has since become a classic, considered essential reading for every serious student and researcher in the field of relativity. This authoritative text has shaped the research of

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generations of physicists and astronomers, and the book continues to influence the way experts think about the subject. With an emphasis on geometric interpretation, this masterful and comprehensive book introduces the theory of relativity; describes physical applications, from stars to black holes and gravitational waves; and portrays the field's frontiers. The book also offers a unique, alternating, two-track pathway through the subject. Material focusing on basic physical ideas is designated as Track 1 and formulates an appropriate one-semester graduate-level course. The remaining Track 2 material provides a wealth of advanced topics instructors can draw on for a two-semester course, with Track 1 sections serving as prerequisites. This must-have reference for students and scholars of relativity includes a new preface by David Kaiser, reflecting on the history of the book's publication and reception, and a new introduction by Charles Misner and Kip Thorne, discussing exciting developments in the field since the book's original publication. The book teaches students to:

- Grasp the laws of physics in flat and curved spacetime
- Predict orders of magnitude
- Calculate using the principal tools of modern geometry
- Understand Einstein's geometric framework for physics
- Explore applications, including neutron stars, Schwarzschild and Kerr black holes, gravitational collapse, gravitational waves, cosmology, and so much more

University Physics

Using firsthand accounts gleaned from notebooks,

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interviews, and correspondence of such twentieth-century scientists as Einstein, Fermi, and Millikan, Holton shows how the idea of the scientific imagination has practical implications for the history and philosophy of science and the larger understanding of the place of science in our culture.

Leviathan

Hiroshima is the story of six people--a clerk, a widowed seamstress, a physician, a Methodist minister, a young surgeon, and a German Catholic priest--who lived through the greatest single manmade disaster in history. In vivid and indelible prose, Pulitzer Prize-winner John Hersey traces the stories of these half-dozen individuals from 8:15 a.m. on August 6, 1945, when Hiroshima was destroyed by the first atomic bomb ever dropped on a city, through the hours and days that followed. Almost four decades after the original publication of this celebrated book, Hersey went back to Hiroshima in search of the people whose stories he had told, and his account of what he discovered is now the eloquent and moving final chapter of Hiroshima.

College Physics

The College Physics for AP(R) Courses text is designed to engage students in their exploration of physics and help them apply these concepts to the Advanced Placement(R) test. This book is Learning List-approved for AP(R) Physics courses. The text and images in this book are grayscale.

Physics for Scientists and Engineers, Volume 2: Electricity, Magnetism, Light, and Elementary Modern Physics

A series of books for Classes IX and X according to the CBSE syllabus and CCE Pattern

Feynman's Lost Lecture

Chemistry

Using firsthand accounts gleaned from notebooks, interviews, and correspondence of such twentieth-century scientists as Einstein, Fermi, and Millikan, Holton shows how the idea of the scientific imagination has practical implications for the history and philosophy of science and the larger understanding of the place of science in our culture.

Lakhmir Singh's Science for Class 7

"University Physics is a three-volume collection that meets the scope and sequence requirements for two- and three-semester calculus-based physics courses. Volume 1 covers mechanics, sound, oscillations, and waves. This textbook emphasizes connections between theory and application, making physics concepts interesting and accessible to students while maintaining the mathematical rigor inherent in the subject. Frequent, strong examples focus on how to approach a problem, how to work with the equations, and how to check and generalize the result."--Open

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Textbook Library.

Biocentrism

For the intermediate-level course, the Fifth Edition of this widely used text takes modern physics textbooks to a higher level. With a flexible approach to accommodate the various ways of teaching the course (both one- and two-term tracks are easily covered), the authors recognize the audience and its need for updated coverage, mathematical rigor, and features to build and support student understanding. Continued are the superb explanatory style, the up-to-date topical coverage, and the Web enhancements that gained earlier editions worldwide recognition. Enhancements include a streamlined approach to nuclear physics, thoroughly revised and updated coverage on particle physics and astrophysics, and a review of the essential Classical Concepts important to students studying Modern Physics.

Alberuni's India

The Elements of Euclid, with many additional propositions, and explanatory notes, by H. Law. Pt. 2, containing the 4th, 5th, 6th, 11th, & 12th books

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