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[Health and Physical Education Class 11](#) Academic Publishers Objective Physics for the JEE Main 2015 offers a quick review of various concepts followed by ample number of illustrations and questions for practice. The book includes sections like short-cuts and points to note to help the students to prepare for the examination in a better way.

[Lakhmir Singh's Science for Class 7](#) Springer Nature This second volume of papers from the ATC21STM project deals with the development of an assessment and teaching system of 21st century skills. Readers are guided through a detailed description of the methods used in this process. The first volume was published by Springer in 2012 (Griffin, P., McGaw, B. & Care, E., Eds., Assessment and Teaching of 21st Century Skills, Dordrecht: Springer). The major elements of this new volume are the identification and description of two 21st century skills that are amenable to teaching and learning: collaborative problem solving, and learning in digital networks. Features of the skills that need to be mirrored in their assessment are identified so that they can be reflected in assessment tasks. The tasks are formulated so that reporting of student performance can guide implementation in the classroom for use in teaching and learning. How simple tasks can act as platforms for development of 21st century skills is demonstrated, with the concurrent technical infrastructure required for its support. How countries with different languages and cultures participated and contributed to the development process is described. The psychometric qualities of the online tasks developed are reported, in the context of the robustness of the automated scoring processes. Finally, technical and educational issues to be resolved in global projects of this nature are outlined.

[How to Write Better Essays](#) S. Chand Publishing

This indispensable guide takes students through each step of the essay writing process, enabling them to tackle written assignments with confidence. Students will develop their ability to analyse complex concepts, evaluate and critically engage with arguments, communicate their ideas clearly and concisely and generate more ideas of their own. Chapters are short and succinct and cover topics such as reading purposefully, note-taking, essay writing in exams and avoiding plagiarism. Packed with practical activities and handy hints which students can apply to their own writing, this is an ideal resource for students looking to improve the quality and clarity of their academic writing. This book will be a source of guidance and inspiration for students of all disciplines and levels who need to write essays as part of their course. New to this Edition: - Brand new chapters on topics such as learning from feedback, finding your voice and using the right vocabulary - Expanded companion website featuring videos, interactive exercises, sample essays and lecturer resources - Exclusive web-only chapter on improving your memory
[Lewin's GENES XII](#) Helsinki University Press
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

Digital Histories Jones & Bartlett Learning

The critical analysis of science textbooks is vital in improving teaching and learning at all levels in the subject, and this volume sets out a range of academic perspectives on how that analysis should be done. Each chapter focuses on an aspect of science textbook appraisal, with coverage of everything from theoretical and philosophical underpinnings, methodological issues, and conceptual frameworks for critical analysis, to practical techniques for evaluation. Contributions from many of the most distinguished scholars in the field give this collection its sure-footed contemporary relevance, reflecting the international standards of UNESCO as well as leading research organizations such as the American Association for the Advancement of Science (whose Project 2061 is an influential waypoint in developing protocols for textbook analysis). Thus the book shows how to gauge aspects of textbooks such as their treatment of controversial issues, graphical depictions, scientific historiography, vocabulary usage, accuracy, and readability. The content also covers broader social themes such as the portrayal of women and minorities. "Despite newer, more active pedagogies, textbooks continue to have a strong presence in classrooms and to embody students' socio-historical inheritance in science. Despite their ubiquitous presence, they have received relatively little on-going empirical study. It is imperative that we understand how textbooks influence science learning. This book presents a welcome and much needed analysis." Tina A. Grotzer Harvard University, Cambridge, Massachusetts, USA The present book provides a much needed survey of the current state of research into science textbooks, and offers a wide range of perspectives to inform the 'science' of writing better science textbooks. Keith S Taber University of Cambridge, Cambridge, United Kingdom

[Issue IV \(Paperback\)](#) Open Book Publishers

[Advanced Illustrations in Physics](#) by seasoned expert Ashish Arora is a valuable asset for the aspirants of JEE Advanced examination. The book covers more than 700 advanced problems with illustrations. Detailed explanations have been included with video solutions so that students are able to grasp the fundamental examination edge of JEE Advanced. Every illustration is based on specific experimental analysis and practical situations from real life, so that students can understand how questions are framed in competitive exams. All illustrations are divided in several topics covering the syllabus of Advanced Physics for JEE. Features 700+ advanced problems illustrated with explanations Practical problems included from real life Video solutions included to help students grasp concepts better

[Chemistry : Textbook For Class XII](#) S. Chand Publishing

Mobile technologies have been used in higher education for many years. They provide good solutions for teaching and learning and make learning available anywhere and anytime. This book includes six sections: design, development, adoption, collaboration, evaluation and future of mobile teaching and learning technology in higher education. It includes different projects and practices in higher education across different countries. The book provides in-depth background information and cases studies in high technology teaching and learning and future expectations for new technology in higher education. The variety of projects and programs running in different country helps boost innovation and discussion in future projects and practices. It also provide guidelines for future design and development of mobile applications for higher education.

[Science Education in India](#) Arihant Publications India limited

"Bring conceptual clarity and develop the skills to approach any unseen problem, step by step." - HC Verma "Great Book to read and understand! Quality explanations and methodical approach separates this book from the rest. A clear winner in its category." -Review on Amazon "Must have book for every IIT JEE aspirant! There are many solution books available in the market but this book is a class apart. Solutions are explained in detail. In many questions there are extra points which are beneficial for aspirants." - Review on Amazon Written by IITians, foreword by Dr HC Verma and appreciated by students as well as teachers. Two IITian have worked together to provide a high quality Physics problem book to Indian students. It is an indispensable collection of previous 41 years IIT questions and their illustrated solutions for any serious aspirant. The success of this work lies in making the readers capable to solve complex problems using few basic principles. The readers are also asked to attempt variations of the solved problems to help them understand the concepts better. The students can use the book as a readily available mentor for providing hints or complete solutions as per their needs. Key features of the book are: Concept building by problem solving. The solutions reveals all the critical points. 1400+ solved problems from IIT JEE. The book contains all questions and their solutions. Topic-wise content arrangement to enables IIT preparation with school education. Promotes self learning. Can be used as a readily available mentor for solutions.

[1000 MCQs for Davidson's Principles and Practice of Medicine](#) Pearson

Education India

Now in its twelfth edition, Lewin's GENES continues to lead with new information and cutting-edge developments, covering gene structure, sequencing, organization, and expression. Leading scientists provide revisions and updates in their individual field of study offering readers current data and information on the rapidly changing subjects in molecular biology.
[NMMS Exam Guide for \(8th\) Class VIII](#) PHI Learning Pvt. Ltd. A thorough and incisive introduction to contemporary India The story of the forging of India, the world's largest democracy, is a rich and inspiring one. This volume, a sequel to the best-selling India's Struggle for Independence, analyses the challenges India has faced and the successes it has achieved, in the light of its colonial legacy and century-long struggle for freedom. The book describes how the Constitution was framed, as also how the Nehruvian political and economic agenda and basics of foreign policy were evolved and developed. It dwells on the consolidation of the nation, examining contentious issues like party politics in the Centre and the states, the Punjab problem, and anti-caste politics and untouchability. This revised edition offers a scathing analysis of the growth of communalism in India and the use of state power in furthering its cause. It also documents the fall of the National Democratic Alliance in the 2004 General Elections, the United Progressive Alliance's subsequent rise to power and the Indo-US Nuclear Deal that served to unravel the political consensus at the centre. Apart from detailed analyses of Indian economic reforms since 1991 and wide-ranging land reforms and the Green Revolution, this new edition includes an overview of the Indian economy in the new millennium. These, along with objective assessments of Jawaharlal Nehru, Indira Gandhi, Jayaprakash Narayan, Lal Bahadur Shastri, Rajiv Gandhi, Vishwanath Pratap Singh, Atal Bihari Vajpayee and Manmohan Singh, constitute a remarkable overview of a nation on the move.

[APC Learning Mathematics - Class 8 \(CBSE\) - Avichal Publishing Company](#) Bloomsbury Publishing

The Second Edition of Lewin's Essential GENES continues to provide students with the latest findings in the field of molecular biology and molecular genetics. An exceptional new pedagogy enhances student learning and helps readers understand and retain key material like never before. New Concept and Reasoning Checks at the end of each chapter section, End of Chapter Questions and Further Readings for each chapter, and several categories of special topics boxes within each chapter expand and reinforce important concepts. The reorganization of topics in this edition allows students to focus more sharply on the key material at hand and improves the natural flow of course material. New end-of-chapter questions reviews major points in the chapter and allow students to test themselves on important course material. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

[India Since Independence](#) Springer Science & Business Media

This book presents an epistemological framework for integrating entrepreneurship education across the general school curriculum. It also explores how such education can be inclusive and integral to the objective, content, pedagogy and assessment practices for different stages of school education in general and the elementary stage in particular. It takes on board the development of entrepreneurial proficiencies through the use of narratives, arts and craft, work and life skills and home-community partnership. The precise aims of the book are to: (a) conceptualize entrepreneurship education in different stages of school education as an objective, an approach and as a specific subject; (b) promote the culture of entrepreneurship in the school system; (c) establish a methodology within which effective teaching-learning can be developed with respect to the extent to which entrepreneurial learning is considered to be an extracurricular activity or as an intrinsic part of school education; (d) integrate entrepreneurship education at the elementary stage, and its progression further on; and (e) identify behavioural outcomes validating entrepreneurship development in school education.

[MEGA Study Guide for NTSE \(SAT, MAT & LCT\) Class 10 Stage 1 & 2 - 11th Edition](#) BRILL

Strictly as per the new CBSE course structure and NCERT guidelines, this thoroughly revised and updated textbook is designed for class XI of senior secondary schools (under the 10 + 2 pattern of education). The text is presented in a logical manner. It identifies your problem areas and helps you to solve them. Every effort has been made to make the contents as simple as possible so that the beginners will grasp the fundamental concepts easily. KEY FEATURES : Large number of solved examples to understand the subject. Categorization of problems under: Level of Difficulty A (Cover the needs of the students preparing for CBSE exams) Level of Difficulty B (Guide the students for engineering entrance examinations). ' Learning Objectives ' at the beginning of each chapter to enable the students to focus their study. Problem Solving Trick(s) to enhance the problem solving skills. Besides this, each chapter is followed by a Chapter Test to test problem solving skills. Working hints to a large number of problems are given at the end of each and every exercise. In a nut shell, this book will help the students score high marks in CBSE, and at the same time build a strong foundation for success in any competitive examination. Contents: CONTENTS Preface Syllabus Chapter 1 Sets Chapter 2 Relations and Functions Chapter 3 Trigonometric Functions Chapter 4 Principle of Mathematical Induction Chapter 5 Complex Numbers and Quadratic Equations Chapter 6 Linear Inequalities Chapter 7 Permutations and Combinations Chapter 8 Binomial Theorem Chapter 9 Sequences and Series Chapter 10 Straight Line Chapter 11 Conic Sections

Chapter 12 Introduction to Three-Dimensional Geometry Chapter 13 Limits and Derivatives Chapter 14 Mathematical Reasoning Chapter 15 Statistics: Measures of Dispersion Chapter 16 Probability
[APC CBSE Mathematics - Class 12 - Avichal Publishing Company - Hints and Solutions](#) Lulu.com

This new 11th edition of MEGA Study Guide for NTSE Class 10 is empowered with the inclusion of 2018 Stage I questions of the different states. The book is based on the syllabus of Class 8, 9 & 10 as prescribed by NCERT. The book also comprises of Past questions of NTSE Stage 1 & 2 from the years 2012-2018. • There are now 28 chapters in the Mental Ability Section (MAT). • The Scholastic Aptitude section (SAT) has been divided into 9 parts – Physics, Chemistry, Biology, Mathematics, English, History, Geography, Civics and Economics. • The book provides past questions of last 10 years of NTSE Stage 1 & 2, JSTSE papers divided chapter-wise. • The book provides sufficient pointwise theory, solved examples followed by Fully Solved exercises in 2 levels - State/ UT level & National level. • Maps, Diagrams and Tables to stimulate the thinking ability of the student. • The book covers new variety of questions - Passage Based, Assertion-Reason, Matching, Definition based, Statement based, Feature Based, Diagram Based and Integer Answer Questions.

[Redesigning Learning for Greater Social Impact](#) W.B. Saunders Company

This book contains a unique collection of new inequalities that were specifically imagined by the author to challenge the boundaries of curiosity and imagination. The inequalities are extremely beautiful and sharp, and the book covers various topics from 3 and 4 variables inequalities, symmetric and non-symmetric inequalities to geometric inequalities. Many of the exercises are presented with detailed solutions covering a variety of must-know old and new techniques in tackling Olympiad problems. The book contains also a variety of unsolved exercises which were left to the reader as additional challenges. Most importantly, the book deals with the daunting topic of asymmetric inequalities where most classical approaches fail. The book has been organised in five chapters. In the first one, we presented a collection of classical algebraic and geometric inequalities such as Cauchy-Schwarz, Cheybeshev's, Newton's, Bernoulli's, Euler's, Walker's inequalities among others. These are the classical inequalities that any student should master if he is aiming for a medal at Mathematical Olympiad competitions. The second and third chapters deal respectively with 3 and 4 variables inequalities covering both symmetric and asymmetric inequalities. The fourth chapter is about Geometric inequalities involving triangle sides, medians, altitudes, internal bisectors, areas, perimeters, orthic triangles, angles, circumradius, inradius...The last chapter contains detailed solutions to the proposed problems with more than one solution for some of the inequalities.

Objective Physics for NEET. Avichal Publishing Company

This book brings researchers from across the world to share their expertise, experience, research and reflections on science education in India to make the trends and innovations visible. The thematic parts of the book discuss science education: overviews across K-16 levels; inclusivity and access for underrepresented and marginalized sections; use of innovations including technology in the teaching; and implications for research, practice, innovation and creativity. The book should be of special interest to researchers, school administrators, curriculum designers and policymakers. A timely compilation for current and future generations of academic researchers, teachers and policymakers who are interested in examining the issues facing one of the largest education systems in the world. The book offers unique insights into contemporary topics such as girls in STEM subjects, curriculum reform and developing a generation of future creative thinkers. -Professor Vaille Dawson, The University of Western Australia, Australia. It provides a panorama of challenges in a country of more than 1.3 billion people, 50% being below the age of 25 years. The book arrives at a time in which there are discouraging trends, including a decrease in funding for education. The book chapters are centred on issues that warrant debate to foster awareness of the roles of science education in India and priorities and possibilities for expanding horizons on the road ahead. -Professor Kenneth Tobin, The City University of New York, New York, USA.

Critical Analysis of Science Textbooks Springer

The leading voices in science studies have argued that modern science reflects dominant social interests of Western society. Following this logic, postmodern scholars have urged postcolonial societies to develop their own "alternative sciences" as a step towards "mental decolonization". These ideas have found a warm welcome among Hindu nationalists who came to power in India in the early 1990s. In this passionate and highly original study, Indian-born author Meera Nanda reveals how these well-meaning but ultimately misguided ideas are enabling Hindu ideologues to propagate religious myths in the guise of science and secularism. At the heart of Hindu supremacist ideology, Nanda argues, lies a postmodernist assumption: that each society has its own norms of reasonableness, logic, rules of evidence, and conception of truth, and that there is no non-arbitrary, culture-independent way to choose among these alternatives. What is being celebrated as "difference" by postmodernists, however, has more often than not been the source of mental bondage and authoritarianism in non-Western cultures. The "Vedic sciences" currently endorsed in Indian schools, colleges, and the mass media promotes the same elements of orthodox Hinduism that have for centuries deprived the vast majority of Indian people of their full humanity. By denouncing science and secularization, the left was unwittingly contributing to what Nanda calls "reactionary modernism." In contrast, Nanda points to the Dalit, or untouchable, movement as a true example of an "alternative science" that has

embraced reason and modern science to challenge traditional notions of hierarchy.

Developing Entrepreneurial Life Skills Penguin UK

These conference proceedings explore the design of pedagogical intervention and learning cultures, the inclusion of socio-emotional support in teaching and policy, transforming technology to support the social fabric of our institutions, and challenging established beliefs about learning. They clarify the complex challenges involved in employing social learning in education and higher education institutions to foster greater understanding and insights, while also avoiding the pitfalls that come with rolling out the concept of "redesigning learning". The Taylor 's Teaching and Learning Conference has been held at Taylor 's University, Malaysia, since 2006.

Ethics for A-Level Disha Publications

What does pleasure have to do with morality? What role, if any, should intuition have in the formation of moral theory? If something is 'simulated', can it be immoral? This accessible and wide-ranging textbook explores these questions and many more. Key ideas in the fields of normative ethics, metaethics and applied ethics are explained rigorously and systematically, with a vivid writing style that enlivens the topics with energy and wit. Individual theories are discussed in detail in the first part of the book, before these positions are applied to a wide range of contemporary situations including business ethics, sexual ethics, and the acceptability of eating animals. A wealth of real-life examples, set out with depth and care, illuminate the complexities of different ethical approaches while conveying their modern-day relevance. This concise and highly engaging resource is tailored to the Ethics components of AQA Philosophy and OCR Religious Studies, with a clear and practical layout that includes end-of-chapter summaries, key terms, and common mistakes to avoid. It should also be of practical use for those teaching Philosophy as part of the International Baccalaureate. Ethics for A-Level is of particular value to students and teachers, but Fisher and Dimmock 's precise and scholarly approach will appeal to anyone seeking a rigorous and lively introduction to the challenging subject of ethics. Tailored to the Ethics components of AQA Philosophy and OCR Religious Studies. Advanced Olympiad Inequalities: Algebraic & Geometric Olympiad Inequalities S. Chand Publishing
Saraswati Health and Physical Education is a much acclaimed and popular series in Health and Physical Education. The series demonstrates a deep understanding of the principles and concepts related to the subject while providing students with all the pedagogical tools necessary for comprehension and application. The fully revised edition, which includes all the latest developments in the field, in its colourful avatar will not only enhance the teaching-learning process but will also make it more enjoyable.