Chapter Wise Assignments For Iit Jee

This book reviews the evaluation research literature that has accumulated around 19 K-12 mathematics curricula and breaks new ground in framing an ambitious and rigorous approach to curriculum evaluation that has relevance beyond mathematics. The committee that produced this book consisted of mathematicians, mathematics educators, and methodologists who began with the following charge: Evaluate the quality of the evaluations of the thirteen National Science Foundation (NSF)-supported and six commercially generated mathematics curriculum materials; Determine whether the available data are sufficient for evaluating the efficacy of these materials, and if not; Develop recommendations about the design of a project that could result in the generation of more reliable and valid data for evaluating such materials. The committee collected, reviewed, and classified almost 700 studies, solicited expert testimony during two workshops, developed an evaluation framework, established dimensions/criteria for three methodologies (content analyses, comparative studies, and case studies), drew conclusions on the corpus of studies, and made recommendations for future research.

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

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

An authorised reissue of the long out of print classic textbook, Advanced Calculus by the late Dr Lynn Loomis and Dr Shlomo Sternberg both of Harvard University has been a revered but hard to find textbook for the advanced calculus course for decades. This book is based on an honors course in advanced calculus that the authors gave in the 1960's. The foundational material, presented in the unstarred sections of Chapters 1 through 11, was normally covered, but different applications of this basic material were stressed from year to year, and the book therefore contains more material than was covered in any one year. It can accordingly be used (with omissions) as a text for a year's course in advanced calculus, or as a text for a three-semester introduction to analysis. The prerequisites are a good grounding in the calculus of one variable from a mathematically rigorous point of view, together with some acquaintance with linear algebra. The reader should be familiar with limit and continuity type arguments and have a certain amount of mathematical sophistication. As possible introductory texts, we mention Differential and Integral Calculus by R Courant, Calculus by T Apostol, Calculus by M Spivak, and Pure Mathematics by G Hardy. The reader should also have some experience with partial derivatives. In overall plan the book divides roughly into a first half which develops the calculus (principally the differential calculus) in the setting of normed vector spaces, and a second half which deals with the calculus of differentiable manifolds.

The world's most popular spreadsheet program is now more powerful than ever, but it's also more complex. That's where this Missing Manual comes in. With crystal-clear explanations and hands-on examples, Excel 2013: The Missing Manual shows you how to master Excel so you can easily track, analyze, and chart your data. You'll be using new features like PowerPivot and Flash Fill in no time. The important stuff you need to know: Go from novice to ace. Learn how to analyze your data, from writing your first formula to charting your results. Illustrate trends. Discover the clearest way to present your data using Excel's new Quick Analysis feature. Broaden your analysis. Use pivot tables, slicers, and timelines to examine your data from different perspectives. Import data. Pull data from a variety of sources, including website data feeds and corporate databases. Work from the Web. Launch and manage your workbooks on the road, using the new Excel Web App. Share your worksheets. Store Excel files on SkyDrive and collaborate with colleagues on Facebook, Twitter, and LinkedIn. Master the new data model. Use PowerPivot to work with millions of rows of data. Make calculations. Review financial data, use math and scientific formulas, and perform statistical analyses.

Key Features:A large number of preparatory problems with solutions to sharpen problem-solving aptitude in physics. Ideal for developing an intuitive approach to physics. Inclusion of a number of problems from the suggestions of the jury of recent Moscow Olympiads.About the Book:The book helps the students in sharpening the problem-solving aptitude in physics. It also guides the students on the ways of approaching a problem and getting its solution.The book also raises the level of learning of physics by practicing problem-solving. It will be especially useful to those who have studied general physics and want to improve their knowledge or try their strength at non-standard problems or to develop an intuitive approach to physics. A feature of the book is that the most difficult problems are marked by asterisks.This book will prove beneficial for the students of the senior secondary, undergraduate courses. It will also help those students who are preparing for engineering, medical entrance examinations and for physics Olympiads.

In Rehearsing New Roles: How College Students Develop as Writers, Lee Ann Carroll argues for a developmental perspective to counter the fantasy held by many college faculty that students should, or could, be taught to write once so that ever after, they can write effectively on any topic, any place, any time. Carroll demonstrates in this volume why a one- or two-semester, first-year course in writing cannot meet all the needs of even more experienced writers. She then shows how students' complex literacy skills develop slowly, often idiosyncratically, over the course of their college years, as they choose or are coerced to take on new roles as writers. As evidence, Carroll offers a longitudinal study of a group of students and the literacy environment

they experienced in a midsize, independent university. Her study follows the experiences that altered their conception of writing in college and fostered their growing capacities as writers. Carroll's analysis of the data collected supports a limited but still useful role for first-year composition, demonstrates how students do learn to write differently across the curriculum in ways that may or may not be recognized by faculty, and evaluates the teaching and learning practices that promote or constrain students' development.

A comprehensive introduction to machine learning that uses probabilistic models and inference as a unifying approach. Today's Web-enabled deluge of electronic data calls for automated methods of data analysis. Machine learning provides these, developing methods that can automatically detect patterns in data and then use the uncovered patterns to predict future data. This textbook offers a comprehensive and self-contained introduction to the field of machine learning, based on a unified, probabilistic approach. The coverage combines breadth and depth, offering necessary background material on such topics as probability, optimization, and linear algebra as well as discussion of recent developments in the field, including conditional random fields, L1 regularization, and deep learning. The book is written in an informal, accessible style, complete with pseudo-code for the most important algorithms. All topics are copiously illustrated with color images and worked examples drawn from such application domains as biology, text processing, computer vision, and robotics. Rather than providing a cookbook of different heuristic methods, the book stresses a principled model-based approach, often using the language of graphical models to specify models in a concise and intuitive way. Almost all the models described have been implemented in a MATLAB software package—PMTK (probabilistic modeling toolkit)—that is freely available online. The book is suitable for upper-level undergraduates with an introductory-level college math background and beginning graduate students.

Oehlert's text is suitable for either a service course for non-statistics graduate students or for statistics majors. Unlike most texts for the one-term grad/upper level course on experimental design, Oehlert's new book offers a superb balance of both analysis and design, presenting three practical themes to students: • when to use various designs • how to analyze the results • how to recognize various design options Also, unlike other older texts, the book is fully oriented toward the use of statistical software in analyzing experiments.

New edition of a text intended primarily for the undergraduate courses on the subject which are frequently found in electrical engineering curricula--but the concepts and techniques it covers are also of fundamental importance in other engineering disciplines. The book is structured to develop in parallel the methods of analysis for continuous-time and discrete-time signals and systems, thus allowing exploration of their similarities and differences. Discussion of applications is emphasized, and numerous worked examples are included. Annotation copyrighted by Book News, Inc., Portland, OR

Fundamentals of Mathematics is a series of seven books offering comprehensive study material to crack the various engineering entrance examinations. As other books in the series, this book also provides extensive coverage of the specific topic. It meticulously explains concepts supplemented with numerous illustrations, examples and practice exercises which facilitates conceptual clarity.

Features of Xamidea Mathematics (Basic) Class 10th: 1. Model Question Papers 2. Multiple Choice Questions 3. Important NCERT Problems 4. Passage-based Questions / Case-based Questions 5. CBSE Sample Question Paper / Examination Papers-2020 (Solved)

Lecture Notes in Mechanics are aimed to ensure fundamental understanding and advance applications of concepts of students. The book will act as a valuable supplement for the aspirants of JEE Mains and Advance, BITSAT, NEET and AIIMS. All lecture notes in the book are linked with their video explanations and are available online at 'Physics Galaxy' - The World's Largest Video Encyclopedia of high school physics lectures.

It is Bombay in 1971, the year India went to war over what was to become Bangladesh. A hard-working bank clerk, Gustad Noble is a devoted family man who gradually sees his modest life unravelling. His young daughter falls ill; his promising son defies his father's ambitions for him. He is the one reasonable voice amidst the ongoing dramas of his neighbours. One day, he receives a letter from an old friend, asking him to help in what at first seems like an heroic mission. But he soon finds himself unwittingly drawn into a dangerous network of deception. Compassionate, and rich in details of character and place, this unforgettable novel charts the journey of a moral heart in a turbulent world of change.

Many of the earliest books, particularly those dating back to the 1900s and before, are now extremely scarce and increasingly expensive. We are republishing these classic works in affordable, high quality, modern editions, using the original text and artwork.

This book has been designed for Undergraduate (Honours) and Postgraduate students of various Indian Universities.A set of objective problems has been provided at the end of each chapter which will be useful to the aspirants of competitve examinations

University Physics for the JEE, Volume II, 13/e, is an Indian adaptation of the internationally-renowned bestseller 'University Physics with Modern Physics by Young Freedman and Ford'. The Indian adaptation, modified as per the JEE syllabus, strives to me

Presents a new nomenclature and covers recently discovered systems. Includes a detailed study of conformational analysis of acyclic and alicyclic compounds, the relation between conformation and reactivity, and other aspects of stereochemistry, such as substitution, addition and elimination reactions. Includes numerous examples and illustrations from the Natural Product Area.

The book is designed to help the first year engineering students in building their concepts in the course on Programming for Problem Solving. It introduces the subject in a simple and lucid manner for a better understanding. It adopts a student friendly approach to the subject matter with many solved examples and unsolved questions, illustrations and well-structured C programs.

Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They

now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Some prominent additions are given below: 1. Variance of Degenerate Random Variable 2. Approximate Expression for Expectation and Variance 3. Lyapounov's Inequality 4. Holder's Inequality 5. Minkowski's Inequality 6. Double Expectation Rule or Double-E Rule and many others

Algebra For Iit JeeTata McGraw-Hill EducationNTA UGC NET Paper 1 Topic-wise 50 Solved Papers (2019 to 2004)Disha PublicationsNTA UGC NET Paper 1 Topic-wise 52 Solved Papers (2020 to 2004) 2nd EditionDisha PublicationsFundamentals of Mathematics - Differential CalculusPearson Education India

The first edition, published in 1973, has become a classicreference in the field. Now with the second edition, readers willfind information on key new topics such as neural networks andstatistical pattern recognition, the theory of machine learning,and the theory of invariances. Also included are worked examples,comparisons between different methods, extensive graphics, expandedexercises and computer project topics. An Instructor's Manual presenting detailed solutions to all theproblems in the book is available from the Wiley editorialdepartment.

1. Chapter-wise presentation for systematic and methodical study 2. Strictly based on the latest CBSE Curriculum and National Curriculum Framework. 3. All Questions from the Latest NCERT Textbook are included. 4. Previous Years' Question Papers from Kendriya Vidhyalaya Sangathan are included. 5. Latest Typologies of Questions developed by Oswaal Editorial Board included. 6. Mind Maps in each chapter for making learning simple. 7. 'Most likely Questions' generated by Oswaal Editorial Board with 100+ years of teaching experience.

Introduce your students to the latest advances in spectroscopy with the text that has set the standard in the field for more than three decades: INTRODUCTION TO SPECTROSCOPY, 5e, by Donald L. Pavia, Gary M. Lampman, George A. Kriz, and James R. Vyvyan. Whether you use the book as a primary text in an upper-level spectroscopy course or as a companion book with an organic chemistry text, your students will receive an unmatched, systematic introduction to spectra and basic theoretical concepts in spectroscopic methods. This acclaimed resource features up-to-date spectra; a modern presentation of one-dimensional nuclear magnetic resonance (NMR) spectroscopy; an introduction to biological molecules in mass spectrometry; and coverage of modern techniques alongside DEPT, COSY, and HECTOR. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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.

Set in IIT, in the early '90s, Five Point Someone portrays the lives of the protagonist Hari and his two friends Ryan and Alok. It explores the darker side of IIT, one in which students- having worked for years to make it into the institute-struggle to maintain their grades, keep their friends and have some kind of life outside studies.