

Class Xi Mathematics Guide

ISC Mathematics book 1 for Class- 11S. Chand Publishing

ISC Computer Science for Class 11

- Chapter wise and Topic wise introduction to enable quick revision.
- Coverage of latest typologies of questions as per the Board latest Specimen papers
- Mind Maps to unlock the imagination and come up with new ideas.
- Concept videos to make learning simple.
- Latest Solved Paper
- Previous Years' Board Examination & Board Specimen Questions with detailed explanation to facilitate exam-oriented preparation.
- Commonly Made Errors & Answering Tips to aid in exam preparation.
- Dynamic QR code to keep the students updated for 2021 Exam paper or any further CISCE notifications/circulars.
- Strictly as per the new term wise syllabus for Board Examinations to be held in the academic session 2021-22 for classes 11 & 12
- Multiple Choice Questions based on new typologies introduced by the board- I. Stand- Alone MCQs, II. MCQs based on Assertion-Reason III. Case-based MCQs.
- Revision Notes for in-depth study
- Mind Maps & Mnemonics for quick learning
- Include Questions from CBSE official Question Bank released in April 2021
- Answer key with Explanations
- Concept videos for blended learning (science & maths only)

Well-labelled illustrations, diagrams, tables, figures and experiments have been given to support the text, wherever necessary. At the end of each chapter, Key Terms have been given. A variety of Review Questions, according to the latest examination pattern, has been provided for adequate practice.

I S. Chand's ISC Mathematics For Class-XI

Self-Study Mode Ten ISC 11th Sample Question Papers covering important concepts from an examination perspective (1-5 solved and 6-10 for Self-Assessment) Exam Preparatory Material Latest Board Specimen Paper & Handwritten ISC Topper Answer sheets for effective exam preparation. Latest ISC 11th Curriculum Strictly based on the updated & reduced CISCE curriculum for Academic Year 2020-2021 for class 11th Latest Examination Tools On Tips Notes & Mind Maps facilitate quick revision of chapters and help in self study Latest Typologies of Questions All Typologies of Questions specified by CISCE taken from ISC prescribed books & previous 10 years' examination papers Tips to write better answers Examiner Comments & Answering Tips help in writing answers with better accuracy for exam success

- Chapter wise and Topic wise introduction to enable quick revision.
- Coverage of latest typologies of questions as per the Board latest Specimen papers
- Mind Maps to unlock the imagination and come up with new ideas.
- Concept videos to make learning simple.
- Latest Solved Paper with Topper's Answers
- Previous Years' Board Examination Questions and Marking scheme Answers with detailed explanation to facilitate exam-oriented preparation.
- Examiners comments & Answering Tips to aid in exam preparation.
- Includes Topics found Difficult & Suggestions for students.
- Dynamic QR code to keep the students updated for 2021 Exam paper or any further CISCE notifications/circulars

Understanding ISC Mathematics, for class 11 - sections A, B & C, has been written by Mr. M.L. Aggarwal (Former Head of P.G. Department of Mathematics, D.A.V. College, Jalandhar) strictly according to the new syllabus prescribed by the Council for the Indian School Certificate Examinations, New Delhi in the year 2015 and onwards for students of class 11. A new feature - Typical Illustrative Examples and Typical Problems, has been added in some chapters for those students who want to attempt some more challenging problems. The entire matter in the book is given in a logical sequence so as to develop and strengthen the concepts of the students.

ISC Computer Science for Class 12

CBSE Mathematics, for class 11, has been written by Mr. M.L. Aggarwal (Former Head of P.G. Department of Mathematics, D.A.V. College, Jalandhar) strictly according to the latest syllabus prescribed by the CBSE, New Delhi. The book has been thoroughly revised and a new feature - Typical Illustrative Examples and Typical Problems, has been added in some chapters for those students who want to attempt some more challenging problems. The question of NCERT Exemplar Problems have also been included. Value Based Questions have also been added at the appropriate places. The book provides Hints & Solutions for the exercises of each chapter, at the end of the corresponding chapter.

- Latest Solved Paper-KVS (Kendriya Vidyalaya Sangathan)
- NCERT Textbook Questions-Fully solved
- Questions based on latest typologies introduced by the board-Objective types, VSA, SA, LA & Visual Case-based Questions
- Commonly Made Errors & Answering Tips for concepts clarity
- 'AI' for academically important questions
- Concept videos for hybrid learning

S. Chand's Mathematics books for Classes IX and X are completely based on CCE pattern of CBSE. The book for Term I covers the syllabus from April to September and the book for Term II covers the syllabus from October to March.

- Latest Board Examination Paper with Board Model Answer
- Strictly as per the latest syllabus, blueprint & design of the question paper.
- Board-specified typologies of questions for exam success
- Perfect answers with Board Scheme of Valuation
- Hand written Toppers Answers for exam-oriented preparation
- NCERT Textbook Questions fully solved(Only For Science, Social and Maths)
- KTBS Textbook Questions fully solved

- Strictly as per the new Semester wise syllabus for Board Examinations to be held in the academic session 2021-22 for class -12
- Largest pool of Topic wise MCQs based on different typologies
- Answer key with explanations
- Revision Notes for in-depth study
- Mind Maps & Mnemonics for quick learning
- Concept videos for blended learning
- Includes Topics found Difficult & Suggestions for students.
- Dynamic QR code to keep the students updated for 2021 Exam paper or any further CISCE notifications/circulars

- Chapter wise & Topic wise presentation for ease of learning
- Quick Review for in depth study
- Mind maps for clarity of concepts
- All MCQs with explanation against the correct option
- Some important questions developed by 'Oswaal Panel' of experts

Chapter wise & Topic wise presentation for ease of learning Quick Review for in depth study Mind maps for clarity of concepts All MCQs with explanation against the correct option Some important questions developed by 'Oswaal Panel' of experts Previous Year's Questions Fully Solved Complete Latest NCERT Textbook & Intext Questions Fully Solved Quick Response (QR Codes) for Quick Revision on your Mobile Phones / Tablets Expert Advice how to score more suggestion and ideas shared

Some Special Features of Oswaal NCERT Solutions are: • Chapter-wise & Topic-wise presentation • Chapter Objectives-A sneak peek into the chapter • Mind Map: A single page snapshot of the entire chapter • Quick Review: Concept-based study material • Tips & Tricks: Useful guidelines for attempting each question perfectly • Some Commonly Made Errors: Most common and unidentified errors made by students discussed • Expert Advice - Oswaal Expert Advice on how to score more! • Oswaal QR Codes- For Quick Revision on your Mobile Phones & Tablets • All MCQs with explanation against the correct option • Some important questions developed by 'Oswaal Panel' of experts

1. This book deals with CBSE New Pattern Mathematics for Class 11 2. It is divided into 7 chapters as per Term 1 Syllabus 3. Quick Revision Notes covering all the Topics of the chapter 4. Carries all types of Multiple Choice Questions (MCQs) 5. Detailed Explanation for all types of questions 6. 3 practice papers based on entire Term 1 Syllabus with OMR Sheet With the introduction of new exam pattern, CBSE has introduced 2 Term Examination Policy, where; Term 1 deals with MCQ based questions, while Term 2 Consists of Subjective Questions. Introducing, Arihant's "CBSE New Pattern Series", the first of its kind providing the complete emphasize on Multiple Choice Questions which are designated in TERM 1 of each subject from Class 9th to 12th. Serving as a new preparatory guide, here's presenting the all new edition of "CBSE New Pattern Mathematics for Class 11 Term 1" that is designed to cover all the Term I chapters as per rationalized syllabus in a Complete & Comprehensive form. Focusing on the MCQs, this book divided the first have syllabus of Mathematics into 7 chapters giving the complete coverage. Quick Revision Notes are covering all the Topics of the chapter. As per the prescribed pattern by the board, this book carries all types of Multiple Choice Questions (MCQs) including; Assertion – Reasoning Based MCQs and Cased MCQs for the overall preparation. Detailed Explanations of the selected questions help students to get the pattern and questions as well. Lastly, 3 Practice Questions are provided for the revision of the concepts. TOC Sets, Relations and Functions, Complex Numbers, Sequence and Series, Straight Lines, Limits, Statistics, Practice Papers (1-3).

Some of the key benefits of studying from Oswaal Question Banks are: • Chapter-wise/ Topic-wise presentation for systematic and methodical study • Strictly based on the Reduced CBSE Curriculum issued for Academic Year 2020-2021, following the latest NCERT Textbook and Exemplar • Previous Years' Question Papers with Marking Scheme & Toppers' Answers for exam-oriented study • Remembering, Understanding, Application, Analysing & Evaluation and Creation Based Question based on Bloom's Taxonomy for cognitive skills development • Latest Typologies of Questions developed by Oswaal Editorial Board included • Mind Maps in each chapter for making learning simple • 'Most likely Questions' generated by Oswaal Editorial Board with 100+ years of teaching experience • Suggested videos at the end of each chapter for a Hybrid Learning Experience IMPORTANT FEATURES OF THE BOOK: Self-Study Mode • Chapter wise/Topic wise Previous Years' Board Examination Questions to facilitate focused study • Latest Board solved paper along with Marking Scheme and Handwritten Topper's Answers for practice Exam Preparatory Material • Answers of CBSE Marking Scheme up to March 2019 Exam with detailed explanations to score full marks in exams • Answering Tips & Commonly Made Errors for clearer thinking All-In-One • Revision notes, Mind Maps & Grammar charts facilitate quick revision of chapters • NCERT & Oswaal 150+ concept videos for digital learning

Mathematic

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 Inequations 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

The 3rd Edition of the book Objective NCERT Xtract - Mathematics for JEE Main/ Advanced, Class 11 & 12 & BITSAT consists of Quality Selected MCQs as per current NCERT syllabus covering the entire syllabus of 11th and 12th standard. The most highlighting feature of the book is the inclusion of a lot of new questions created exactly on the pattern of NCERT. • This book-cum-Question Bank spans through 29 chapters. • The book provides a detailed 2 page Concept Map for Quick Revision of the chapter. • This is followed by 3 types of objective exercises: 1. Topic-wise Concept Based MCQs 2. NCERT Exemplar & Past JEE Main & BITSAT Questions 3. 15-20 Challenging Questions in Try If You Can Exercise • Detailed explanations have been provided for all typical MCQs that need conceptual clarity. • The book also includes 5 Mock Tests for Self Assessment. This book assures complete syllabus coverage by means of questions for more or less all significant concepts of Mathematics. In nutshell this book will act as the BEST PRACTICE & REVISION MATERIAL for all PET entrance exams.

Some of the key highlights of Oswaal Sample Papers are: • Ten Sample Question Papers covering important concepts from an examination perspective (1-5 solved and 6-10 for Self-Assessment*) • All Typologies of Questions specified by included for examination success • Scheme of Evaluation upto March/April 2020 Exam with detailed explanations as per the word limit for exam-oriented study • 'On Tips Notes' for crisp revision We hope Oswaal Sample Papers empower each and every student to excel, now and always!! NCERT Textbooks play the most vital role in developing student's understanding and knowledge about a subject and the concepts or topics covered under a particular subject. Keeping in mind this immense importance and significance of the NCERT Textbooks in mind, Arihant has come up with a unique book containing Questions-Answers of NCERT Textbook based questions. This book containing solutions to NCERT Textbook questions has been designed for the students studying in Class X following the NCERT Textbook for Mathematics. The present book has been divided into 16 Chapters namely Sets, Relations & Functions, Mathematical Induction, Linear Inequalities, Conic Sections, Limits & Derivatives, Statistics, Probability, Mathematical Reasoning, Straight Lines, Conic Sections, Binomial Theorem, etc. covering the syllabi of Mathematics for Class XI. This book has been worked out with an aim of overall development of the students in such a way that it will help students define the way how to write the answers of the Mathematics

textbook based questions. The book covers selected NCERT Exemplar Problems which will help the students understand the type of questions and answers to be expected in the Class XI Mathematics Examination. Also each chapter in the book begins with a summary of the chapter which will help in effective understanding of the theme of the chapter and to make sure that the students will be able to answer all popular questions concerned to a particular chapter whether it is Long Answer Type or Short Answer Type Question. For the overall benefit of students the book has been designed in such a way that it not only gives solutions to all the exercises but also gives detailed explanations which will help the students in learning the concepts and will enhance their thinking and learning abilities. As the book has been designed strictly according to the NCERT Textbook of Mathematics for Class XI and contains simplified text material in the form of class room notes and answers to all the questions in lucid language, it for sure will help the Class XI students in an effective way for Mathematics.

NCERT Textbooks play the most vital role in developing student's understanding and knowledge about a subject and the concepts or topics covered under a particular subject. Keeping in mind this immense importance and significance of the NCERT Textbooks in mind, Arihant has come up with a unique book containing Questions-Answers of NCERT Textbook based questions. This book containing solutions to NCERT Textbook questions has been designed for the students studying in Class XI following the NCERT Textbook for Mathematics. The present book has been divided into 16 Chapters namely Sets, Relations & Functions, Mathematical Induction, Linear Inequalities, Conic Sections, Limits & Derivatives, Statistics, Probability, Mathematical Reasoning, Straight Lines, Conic Sections, Binomial Theorem, etc. covering the syllabi of Mathematics for Class XI. This book has been worked out with an aim of overall development of the students in such a way that it will help students define the way how to write the answers of the Mathematics textbook based questions. The book covers selected NCERT Exemplar Problems which will help the students understand the type of questions and answers to be expected in the Class XI Mathematics Examination. Also each chapter in the book begins with a summary of the chapter which will help in effective understanding of the theme of the chapter and to make sure that the students will be able to answer all popular questions concerned to a particular chapter whether it is Long Answer Type or Short Answer Type Question. For the overall benefit of students the book has been designed in such a way that it not only gives solutions to all the exercises but also gives detailed explanations which will help the students in learning the concepts and will enhance their thinking and learning abilities. As the book has been designed strictly according to the NCERT Textbook of Mathematics for Class XI and contains simplified text material in the form of class room notes and answers to all the questions in lucid language, it for sure will help the Class XI students in an effective way for Mathematics.

In continuation to CBSE Mathematics For Class XII (Part 1), Part 2 is also thoroughly revised and updated as per the new CBSE course structure and NCERT guidelines. The subject matter of this book is presented in a very systematic and logical manner. Every effort has been made to make the contents as lucid as possible so that the beginners will grasp the fundamental concepts in an unambiguous manner. 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). A Smart Table at the beginning of each chapter to decide the relative importance of topics in the CBSE exam. Problem Solving Trick(s) to enhance the problem solving skills. A list of Important Formulae at the beginning of the book. Besides this, each chapter is followed by a Chapter Test and an exercise in which the questions from the CBSE papers of previous years are provided. 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.

The book Chapter-wise NCERT + Exemplar + Practice Questions with Solutions for CBSE Class 11 Mathematics has been divided into 3 parts. Part A provides detailed solutions (Question-by-Question) of all the questions/ exercises provided in the NCERT Textbook. Part B provides solutions to the questions in the NCERT Exemplar book. Part C provides selected Practice Questions useful for the Class 11 examination along with detailed solutions. The solutions have been designed in such a manner (Step-by-Step) that it would bring 100% Concept Clarity for the student.

S Chand's ISC Mathematics is structured according to the latest syllabus as per the new CISCE(Council for the Indian School Certificate Examinations), New Delhi, for ISC students taking classes XI & XII examinations.

$x^n + y^n = z^n$, where n represents 3, 4, 5, ...no solution "I have discovered a truly marvelous demonstration of this proposition which this margin is too narrow to contain." With these words, the seventeenth-century French mathematician Pierre de Fermat threw down the gauntlet to future generations. What came to be known as Fermat's Last Theorem looked simple; proving it, however, became the Holy Grail of mathematics, baffling its finest minds for more than 350 years. In Fermat's Enigma--based on the author's award-winning documentary film, which aired on PBS's "Nova"--Simon Singh tells the astonishingly entertaining story of the pursuit of that grail, and the lives that were devoted to, sacrificed for, and saved by it. Here is a mesmerizing tale of heartbreak and mastery that will forever change your feelings about mathematics.

ISC Maths XI

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