

# Comprehensive Objective Mathematics For Iit Jee Aieee

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*Comprehensive  
Objective  
Mathematics  
For Iit Jee  
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2021-07-30

**STEPHENSON  
SHEPPARD**

A Compact &  
Comprehensive IIT Fdn  
Math X Independently  
Published

Key Concepts have been given at the beginning of each chapter to facilitate thorough revision and recall. Contains large number of Solved Examples and Practice Questions

*Course In Mathematics  
For The Iit-Jee And Other  
Engineering Entrance  
Examinations:  
Trigonometry* Golden Bells  
Gkp's objective  
Mathematics for jee-main  
will serve as a  
comprehensive study  
material for the aspirants

of Joint Entrance Examination (JEE). Mathematics is a crucial subject and bears immense weightage in the exam. It also needs its fair share of practice and techniques to solve questions. The book has especially been designed to assist students in developing the right approach to solving questions of the JEE Main level. Every Chapter of the book starts with a brief theory followed by numerous comprehensive questions. To assist students in understanding various concepts, detailed solutions are provided after exercises. Completely solved papers from 2014 to 2019 have also been provided in the book so that students become familiar with the exam paper pattern.

Features: a. Br>synopsis of key concepts; divided into 18 chapters B. Rich collection of objective questions with detailed solutions C. Completely solved papers of last 6 years, 2014 to 2019. *Comprehensive Discrete Mathematics* Firewall Media

It is no doubt that engineering has always been one of the most sought-after career opportunities for aspirants, driving them towards a rigorous preparation in order to crack any engineering entrance exams. " Mathematics for IIT-JEE (Mains & Advanced), Vol. 1 of 4" is a Sachan Series of our best-in-class study guides useful for IIT-JEE (Mains and Advanced). It is divided into 20 chapters, accompanying

complete text material and practice exercises, along with workbook exercises coupled with each theory. It is housed with more than 5000 MCQs and a brilliant collection of previous years' solved papers of IIT-JEE (Mains and Advanced). The fundamental concepts and principles behind Mathematics are explained in a simple, easy- to- understand manner. Each chapter contains a large number of solved example or problem which will help the students in problem solving. This text book "Mathematics for IIT-JEE (Mains & Advanced), Vol. 1 of 4" is organized into Six Chapters. Chapter -1: Sets, Relations and Functions Chapter- 2: Basic Algebra Chapter -3: Trigonometry Chapter-4: Combinatorics and Mathematical Induction Chapter-5: Binomial Theorem, Sequences and Series Chapter-6: Two Dimensional Analytical Geometry Table of Contents (TOC) sets, fundamentals of relation and function, sequence and Series, complex Numbers, inequalities and Quadratic equation, Permutation and Combination,

mathematical Induction, Binomial Theorem, Trigonometric Functions and equations, properties of Triangles, heights and Distances, Cartesian system of Rectangular coordinates, straight Line and pair of straight Lines, circle, Parabola, Ellipse, Hyperbola, introduction to three Dimensional (3D) Geometry, introduction to limits and derivatives, mathematical Reasoning, statistics, fundamentals of probability, Salient Features-Comprehensive Coverage of Sets, Relations & Functions, Basic Algebra, Trigonometry, Combinatorics & Mathematical Induction, Binomial Theorem, Sequences & Series and Two Dimensional Analytical Geometry. - Each chapter contains a large number of solved example or objective type's problem which will help the students in problem solving of Mathematics.-Clear perception of the various problems with a large number of neat, well drawn and illustrative diagrams. -Simple Language, easy- to- understand manner. Our sincere thanks are due to all Scientists, Engineers, Authors and Publishers, whose works and text

have been the source of enlightenment, inspiration and guidance to us in presenting this small book. I will appreciate any suggestions from students and faculty members alike so that we can strive to make the text book more useful in the edition to come.

**Comprehensive Differential Equations: Paper II** G.K Publications Pvt.Limited

Key Concepts have been given at the beginning of each chapter to facilitate thorough revision and recall. Contains large number of Solved Examples and Practice Questions

A COMPACT & COMPREHENSIVE BOOK OF IIT FOUNDATION MATHEMATICS CLASS IX

Upkar Prakashan

Key Concepts have been given at the beginning of each chapter to facilitate thorough revision and recall. Contains large number of Solved Examples and Practice Questions

**Comprehensive Objective Physics Vol. I**

Laxmi Publications

The first edition of IIT-JEE Objective Mathematics by Er. L.K. Sharma was published in year 2014-15 with answer key but without any detailed solutions on various

digital platforms. As the book got popularity among IIT-JEE aspirants, need for detailed solutions increased and now in view of IIT-JEE 2020, the complete detail solutions of the book is being published by WIN POINT Publishers. As per the request of various students/faculty from all over India, complete detailed solutions are written for each and every problem of the book. The problem book of Revised Edition of 2020-21 is also available at the same platform

CONTENTS 1. Quadratic Equations 1 - 10 2. Sequences and Series 11 - 20 3. Complex Numbers 21 - 29 4. Binomial Theorem 30 - 38 5. Permutation and Combination 39 - 44 6. Probability 45 - 52 7. Matrices 53 - 60 8. Determinants 61 - 68 9. Logarithm 69 - 73 10. Functions 74 - 83 11. Limits 84 - 92 12. Continuity and Differentiability 93 - 99 13. Differentiation 100 - 105 14. Tangent and Normal 106 - 114 15. Rolle's Theorem and Mean Value Theorem 115 - 118 16. Monotonocity 119 - 122 17. Maxima and Minima 123 - 131 18. Indefinite Integral 132 - 136 19. Definite Integral 137 - 148 20. Area

Bounded by Curves 149 - 161 21. Differential Equations 162 - 171 22. Basics of 2D-Geometry 172 - 175 23. Straight Lines 176 - 185 24. Pair of Straight Lines 186 - 190 25. Circles 191 - 203 26. Parabola 204 - 213 27. Ellipse 214 - 223 28. Hyperbola 224 - 232 29. Vectors 233 - 243 30. 3-Dimensional Geometry 244 - 255 31. Trigonometric Ratios and Identities 256 - 263 32. Trigonometric Equations and Inequations 264 - 269 33. Solution of Triangle 270 - 278 34. Inverse Trigonometric Functions 279 - 286

The Pearson Guide to Objective Mathematics for Engineering Entrance Examinations G.K Publications Pvt.Limited After IIT, NIT (National Institute of Technology) is the second choice for every serious aspirant. Salient features of Disha's AIEEE books are - Exhaustive theory explaining all fundamentals/concepts to build a strong base, Illustrations to master application of concepts & sharpen problem-solving skills and graded exercises to ensure sufficient practice. These exercises cover all variety of questions that can be asked from the topic;

Previous year solved papers of AIEEE and challenging Mock Tests for AIEEE. Disha s books contain theory, solved examples and graded exercises all written exclusively from the perspective of AIEEE. So for outstanding success in AIEEE always rely on Disha Books. Also includes fully solved AIEEE - 2011 paper.

Objective Mathematics Vol 2 for Engineering Entrances 2022 Laxmi Publications This edition of The Pearson Guide to Objective Mathematics for Engineering Entrance Examinations has been completely revised as per the requirements of the latest syllabi. Each chapter contains concise definitions and explanations of fundamental principles, and illustrative examples further augment the understanding of concepts. Retaining the basic structure that made the text a success, this edition also includes new questions from recent examination papers of various engineering entrance tests.

IIT-JEE Mathematics Solutions by Er. L.K. Sharma Golden Bells 1. "Complete Study Pack for Engineering

Entrances" series provides Objective Study Guides 2. Objective Mathematics Volume-2 is prepared in accordance with NCERT Class 11th syllabus 3. Guide is divided into 16 chapters 4. complete text materials, Practice Exercises and workbook exercises with each theory 5. Includes more than 5000 MCQs, collection of Previous Years' Solved Papers of JEE Main and Advanced, BITSAT, Kerala CEE, KCET, AP & TS EAMCET, VIT, and MHT CET. Our Objective series for Engineering Entrances has been designed in accordance with the latest 2021-2022 NCERT syllabus; Objective Mathematics Volume -2 is divided into 16 chapters giving Complete Text Material along with Practice Exercises and Workbook exercises. Chapter Theories are coupled with well illustrated examples helping students to learn the basics of Mathematics. Housed with more than 5000 MCQs and brilliant collection of Previous Years' Solved Papers of JEE Main and Advanced BITSAT, Kerala CEE, KCET, AP & TS EAMCET, VIT, and MHT CET, which is the most defining part of this book. Delivering the invaluable

pool of study resources for different engineering exams at one place, this is no doubt, an excellent book to maximize your chances to get qualified at engineering entrances. TOC Matrix, Determinants, Relations & Functions, Inverse Trigonometry Functions, Continuity & Differentiability, Differentiation, Application of Derivatives, Maxima & Minima, Indefinite Integrals, Definite Integrals, Area Bounded by Curves, Differential Equations, Vector Algebra, Three Dimensional Geometry, Linear Programming, Advanced Probability, JEE Advanced Solved Paper 2015, JEE Main & Advanced Solved Papers 2016, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2017, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2018, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2019-20. Complete Mathematics Pearson Education India The book has been prepared for the students appearing IIT, AIEEE, and

other equivalent examinations and also for the students of plus two courses. Almost all questions of various Engineering Entrance Examinations have been solved in the simplest way.

### **Comprehensive**

**Mathematics XI** Laxmi Publications

This Book Enables Students To Thoroughly Master Pre-College Mathematics And Helps Them To Prepare For Various Entrance (Screening) Tests With Skill And Confidence. The Book Thoroughly Explains The Following: 1. Algebra 2. Trigonometry 3. Co-Ordinate Geometry 4. Three Dimensional Geometry 5. Calculus 6. Vectors 7. Statistics In Addition To Theory, The Book Includes A Large Number Of \* Solved Examples \* Practice Problems With Answers \* Objective Questions Including Multiple Choice, True/False And Fill-In-The-Blanks \* Model Test Papers And Iit Screening Tests For Self-Test The Language Is Clear And Simple Throughout The Book And The Entire Subject Is Explained In An Interesting And Easy-To-Understand Manner. *Comprehensive Objective Book For Aieee* Laxmi

Publications

1. 'Skill in Mathematics' series is prepared for JEE Main and Advanced papers 2. It is a highly recommended textbook to develop a strong grounding in Coordinate Geometry 3. The book covers the entire syllabus into 7 chapters 4. Each chapter includes a wide range of questions that are asked in the examinations Good foundational grip is required in the Coordinate Geometry, while you are preparing for JEE Mains & Advanced or any other engineering. Bringing up the series "Skills in Mathematics for JEE Main & Advanced for Coordinate Geometry" that is carefully revised with the sessionwise theory and exercise; to help candidates to learn & tackle the mathematical problems. The book has 7 Chapters covering the whole syllabus for the JEE Mains and Advanced as prescribed. Each chapter is divided into sessions giving complete clarity to concepts. Apart from sessionwise theory, JEE Type examples and Chapter Exercise contain huge amount of questions that are provided in every chapter under Practice Part. Prepared under great expertise, it is a

highly recommended textbook to develop a strong grounding in Algebra to perform best in JEE and various engineering entrances.

TOC: Coordinate Systems and Coordinates, The Straight Lines, Pair of Straight Lines, Circle, Parabola, Ellipse, Hyperbola.

NCERT Objective Textbook- Mathematics S.

Chand Publishing Salient Features As Per The Latest Syllabus Of Engineering Entrance Examinations Previous Years Questions Of Various Entrance Examinations Every Unit Contains (I) Main Highlights (Ii) Multiple Choice Questions (Iii) Fill In The Blanks (Iv) True And False Statements *JEE Main 2020 - Objective Mathematics* Krishna Prakashan Media ?Fundamentals of Mathematics? is a series of seven books designed to provide comprehensive study material on specific areas in Mathematics. The books are ideal companions of students aspiring to master a particular subject area as per their individual requirements. All books in this series provide extensive coverage of topics supported by numerous solved

examples. The concepts are explained meticulously with ample illustrations and practice exercises with solutions. The books also equip aspiring engineers aiming for IIT-JEE, AIEEE, bit-sat, and other state Engineering entrance examinations. This series is customized, class-tested and structure driven with conceptual approach to the subject. The authority, command and experience of the author, Sanjay Mishra is reflected in the clear explanations of complex concepts and in the chapter-end exercises. Each volume in this series is planned in a student-friendly manner to make the learning process easier, more reflective and enjoyable. Salient features: a. Rich theory followed by subjective and objective exercises B. Ample illustrations to aid learning C. Tutorial exercises with MCQs, comprehension passages, column matching and numerical integer type exercises. ?Fundamentals of Mathematics? is a series of seven books designed to provide comprehensive study material on specific areas in Mathematics. The books are ideal companions of students

aspiring to master a particular subject area as per their individual requirements. All books in this series provide extensive coverage of topics supported by numerous solved examples. The concepts are explained meticulously with ample illustrations and practice exercises with solutions. The books also equip aspiring engineers aiming for IIT-JEE, AIEEE, bit-sat, and other state Engineering entrance examinations. This series is customized, class-tested and structure driven with conceptual approach to the subject. The authority, command and experience of the author, Sanjay Mishra is reflected in the clear explanations of complex concepts and in the chapter-end exercises. Each volume in this series is planned in a student-friendly manner to make the learning process easier, more reflective and enjoyable. Salient features: a. Rich theory followed by subjective and objective exercises B. Ample illustrations to aid learning C. Tutorial exercises with MCQs, comprehension passages, column matching and numerical integer type exercises.

**Objective Mathematics**  
Pearson Education India Full and comprehensive coverage of all topics. Key Facts have been given at the beginning of each chapter to facilitate thorough revision and recall. Contains a large number of Solved Examples and Practice Questions. Answers, Hints and Solutions have been provided to boost up the morale and increase confidence level. Self Assessment Sheets have been given at the end of each chapter to help the students assess and evaluate their understanding of the concepts.

**Mcq 5 In Mathematics**  
WIN POINT EDUCATIONS  
In view of the New approach of IIT-JEE (Mains/Advance) , this book provides ample scope to the JEE aspirants to practice conceptual questions in Mathematics. The book contains 34 chapters and 2 worksheets on graphs, most of the chapters have 2 exercises and the questions format match the pattern of JEE (Mains and Advance). In all the chapters, number of questions are limited to 50-70 with the philosophy of qualitative questions rather than quantitative approach. All the

questions are so framed that it covers complete fundamentals of the topic which is needed at IIT-JEE level each question is having some specific purpose to incorporate in this book. This book is primarily a problem solving book and students are suggested to revise all the basics before attempting the questions from any chapter. In mathematics, graphs play an important role in data interpretation and analysis and serve as a tool for understanding the data in pictorial form. In IIT-JEE syllabus graphs are not explicitly mentioned but from the track of past year question papers it can be traced out that graphs play a vital role in answering and interpretation of the analytical and conceptual questions. Keeping in view the importance of graph two worksheets on graph practice are included at the end of this book. Detailed solution and explanation of all the problems is provided in separate solution book to make the problem book handy and problem book is provided with answer key after each chapter. About the Author: Er. L.K. Sharma, an engineering graduate from NIT-Jaipur, is a well known name

among the engineering aspirants for the last 18 years. He has been awarded with "BHAMASHAH AWARD" two times for the academic excellence in the state of Rajasthan. He is popular among the student community for possessing the excellent ability to communicate the scientific concepts in analytical and graphical ways. He has worked with most reputed IIT-JEE/Medical coaching institutes of Delhi and Kota in academic and administrative positions. He had worked as IIT-JEE mathematics faculty with DPS, RK Puram (Delhi) for five years.

### **Comprehensive**

### **Mathematics IX** New

Age International  
It is no doubt that engineering has always been one of the most sought-after career opportunities for aspirants, driving them towards a rigorous preparation in order to crack any engineering entrance exams.

"Mathematics for IIT-JEE (Mains & Advanced), Vol. 4 of 4" is a Sachan Series of our best-in-class study guides useful for IIT-JEE (Mains and Advanced). It is divided into 20 chapters, accompanying complete text material

and practice exercises, along with workbook exercises coupled with each theory. It is housed with more than 5000 MCQs and a brilliant collection of previous years' solved papers of IIT-JEE (Mains and Advanced). The fundamental concepts and principles behind Mathematics are explained in a simple, easy- to- understand manner. Each chapter contains a large number of solved example or problem which will help the students in problem solving. This text book "Mathematics for IIT-JEE (Mains & Advanced), Vol. 4 of 4" is organized into four Chapters. Chapter-1: Differential Equations Chapter-2: Three Dimensional Geometry Chapter- 3: Statistics and Probability Chapter-4: Mathematical Reasoning Salient Features-Comprehensive Coverage of Differential Equations, Three Dimensional Geometry, Statistics and Probability and Mathematical Reasoning.-Each chapter contains a large number of solved example or objective type's problem which will help the students in problem solving of Mathematics.-

Clear perception of the various problems with a large number of neat, well drawn and illustrative diagrams. -Simple Language, easy- to- understand manner. Our sincere thanks are due to all Scientists, Engineers, Authors and Publishers, whose works and text have been the source of enlightenment, inspiration and guidance to us in presenting this small book. I will appreciate any suggestions from students and faculty members alike so that we can strive to make the text book more useful in the edition to come.

Comprehensive Mathematics X S. Chand Publishing

Every year lakhs of students appear for the JEE Main Exam to pursue their dream of becoming a "Engineer". In order to qualify this exams students need have clear concepts, strong basic foundation of the subjects and thorough practice. "JEE MAIN IN 40 DAYS PHYSICS" is the most accepted crash course programme for the students who are preparing Join Entrance Test (JEE Main-2020). Being the best seller among the students, this book is carefully and consciously designed for

the last minute preparation of the JEE Main Exam. This book gives the complete coverage of the syllabus that is divided into 40 Days Modules which includes Quick Theory covering all the important points, formulae and the concepts. It provides Objective Question which covers every type of exam questions including 6 Unit Tests and 3 Full Length Mock Tests which gives the real feel of the exam. Moreover Free Online Practice Material can be availed by the students to practice online. This book accelerates the level of preparation done by the students and ensures scoring high marks in a time.

TABLE OF CONTENTS Preparing JEE Main 2019 Mathematics in 40 Days! Day 1: Sets, Relations and Functions, Day 2: Complex Numbers, Day 3: Sequences and Series, Day 4: Quadratic Equation and Inequalities, Day 5: Determinants, Day 6: Matrices, Day 7: Binomial Theorem and Mathematical Induction, Day 8: Permutations and Combinations, Day 9: Unit Test 1 (Algebra), Day 10: Real Function, Day 11: Limits, Continuity and Differentiability, Day 12: Differentiation, Day 13:

Application of Derivatives, Day 14: Maxima and Minima, Day 15: Indefinite Integrals, Day 16: Definite Integrals, Day 17: Area Bounded by the Curves, Day 18: Differential Equations, Day 19: Unit Test 2 (Calculus), Day 20: Trigonometric Functions and Equations, Day 21: Heights and Distances, Day 22: Inverse Trigonometric Functions, Day 23: Unit Test 3 (Trigonometry), Day 24: Cartesian System of Rectangular Coordinates, Day 25: Straight Lines, Day 26: The Circle, Day 27: Parabola, Day 28: Ellipse, Day 29: Hyperbola, Day 30: Unit Test 4 (Coordinate Geometry), Day 31: Vector Algebra, Day 32: Three Dimensional Geometry, Day 33: Unit Test 5 (Vector & 3D Geometry), Day 34: Statistics, Day 35: Probability, Day 36: Mathematical Reasoning, Day 37: Unit Test 6 (Probability and Mathematical Reasoning), Day 38: Mock Test 1, Day 39: Mock Test 2, Day 40: Mock Test 3, Online JEE Main Solved Papers 2019.

Algebra-2: Course in Mathematics for the IIT-JEE and Other Engineering Entrance Examinations  
Arihant Publications India limited

The objective of this book is to provide a simple presentation of the concepts, emphasizing understanding without sacrificing mathematical rigour. The book is composed of eighteen chapters. Each chapter presents illustrative solved examples and exercises. The problems given in exercises will develop interest and encourage students to explore new ideas.

Comprehensive Business Statistics S. Chand Publishing

1. "Complete Study Pack for Engineering Entrances" series provides Objective Study Guides 2. Objective Mathematics Volume-1 is prepared in accordance with NCERT Class 11th syllabus 3. Guide is divided into 21 chapter 4. complete text materials, Practice Exercises and workbook exercises with each theory 5. Includes more than 5000 MCQs, collection of Previous Years' Solved Papers of JEE Main and Advanced, BITSAT, Kerala CEE, KCET, AP & TS EAMCET, VIT, and MHT CET. Our Objective series for Engineering Entrances has been designed in accordance with the latest 2021-2022 NCERT syllabus; Objective Mathematics Volume - 1



is divided into 21 chapters giving Complete Text Material along with Practice Exercises and Workbook exercises. Chapter Theories are coupled with well illustrated examples helping students to learn the basics of Mathematics. Housed with more than 5000 MCQs and brilliant collection of Previous Years' Solved Papers of JEE Main and Advanced BITSAT, Kerala CEE, KCET, AP & TS EAMCET, VIT, and MHT CET, which is the most defining part of this book. Delivering the invaluable pool of study resources for different engineering

exams at one place, this is no doubt, an excellent book to maximize your chances to get qualified at engineering entrances. TOC Sets, Fundamentals of Relation and Function, Sequence and Series, Complex Numbers, Inequalities and Quadratic Equation, Permutation and Combination, Mathematical Induction, Binomial Theorem, Trigonometric Functions and Equations, Properties of Triangles, Heights and Distances, Cartesian System of Rectangular Coordinates, Straight and Pair of Straight Lines, Circle, Parabola, Ellipse, Hyperbola, Introduction to

Three Dimensional (3D) Geometry, Introduction to Limits & Derivatives, Mathematical Reasoning, Statistics, Fundamental of Probability, JEE Advanced Solved Paper 2015, JEE Main & Advanced Solved Papers 2016, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2017, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2018, JEE Main & Advanced/BITSAT/Kerala CEE/ KCET/AP & TS EAMCET/VIT/MHT CET Solved Papers 2019-20.