

**mtg**

2019 JANUARY & APRIL PAPERS INCLUDED  
CONDUCTED BY NTA

**18**  
YEARS

OFFLINE & ONLINE PAPERS

**JEE MAIN**

**CHAPTERWISE SOLUTIONS**

2019-2013 JEE MAIN + 2012-2002 AIEEE

**PHYSICS**

**CHEMISTRY**

**MATHEMATICS**

Mtg 18 years JEE Main Chapter wise solutions is an excellent practice resource for all JEE aspirants. The book contains 18-years' Chapter wise Solved Papers of Physics, Chemistry and Mathematics of AIEEE from 2002 to 2012 and JEE Main offline and online exam from 2013 to 2019. This book also includes exclusively solved papers of nta conducted JEE Main 2019 January and April online exams. The questions have been solved with ample explanations so as to provide better understanding of the concepts on which the questions are based. Solving questions of previous year papers gives a prompt idea to CBSE and non-cbse students, about the type and important questions asked from various NCERT chapters in Engineering exams. It is strictly based on JEE Main exam pattern and gives a thorough practice of exam questions. It gives clear cut understanding of weight age of chapters in the competitive exams. All in all, 18 year JEE Main Chapter wise solutions presents a detailed understanding of the questions asked in 18 years of JEE/AIEEE exams. Content:-

Physics

1. Physics and Measurement
2. Kinematics
3. Laws of Motion
4. Work, Energy and Power
5. Rotational Motion
6. Gravitation
7. Properties of Solids and Liquids
8. Thermodynamics
9. Kinetic Theory of Gases
10. Oscillations and Waves
11. Electrostatics
12. Current Electricity
13. Magnetic Effects of current and Magnetism
14. Electromagnetic Induction and Alternating currents
15. Electromagnetic Waves
16. Optics
17. Dual Nature of Matter and radiation
18. Atoms and Nuclei
19. Electronic devices
20. Communication systems
21. Experimental skills

Chemistry

1. Some basic Concepts in Chemistry
2. States of Matter
3. Atomic Structure
4. Chemical Bonding and Molecular Structure
5. Chemical Thermodynamics
6. Solutions
7. Equilibrium
8. Redox Reactions and Electrochemistry
9. Chemical Kinetics
10. Surface Chemistry
11. Nuclear Chemistry
12. Classification of Elements and Periodicity in Properties
13. General Principles and Processes of Isolation of Metals
14. Hydrogen
15. S-block Elements
16. P-block Elements
17. Bra- and Brad-block elements
18. Coordination Compounds
19. Environmental Chemistry
20. Purification and Characterisation of Organic Compounds
21. Some basic Principles of Organic Chemistry
22. Hydrocarbons
23. Organic Compounds Containing Halogens
24. Alcohols, Phenols and Ethers
25. Aldehydes, Ketones and Carboxylic Acids
26. Organic Compounds Containing Nitrogen
27. Polymers
28. Biomolecules
29. Chemistry in Everyday life
30. Principles related to practical Chemistry

Mathematics

1. Sets, Relations and Functions
2. Complex Numbers
3. Matrices and Determinants
4. Quadratic Equations
5. Permutations and Combinations
6. Mathematical Induction
7. Binomial Theorem and its simple applications
8. Sequences and Series
9. Differential Calculus
10. Integral calculus
11. Differential equations
12. Two Dimensional Geometry
13. Three Dimensional Geometry
14. Vector Algebra
15. Statistics
16. Probability
17. Trigonometry
18. Mathematical

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