

JEE MAINS

MATHEMATICS

- SETS RELATION AND FUNCTION
- COMPLEX NUMBERS AND QUADRATIC EQUATIONS
- MATRICES AND DETERMINANTS
- PERMUTATIONS AND COMBINATION
- BINOMIAL THEOREM AND ITS SIMPLE APPLICATION
- SEQUENCE AND SERIES
- LIMIT CONTINUITY AND DIFFERENTIABILITY
- INTEGRAL CALCULAS
- DIFFERENTIAL EQUATION
- CO-ORDINATE GEOMETRY
- 3D GEOMETRY
- VECTOR ALGEBRA
- STATISTICS AND PROBABILITY
- TRIGONOMETRY

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CHEMISTRY

PHYSICAL CHEMISTRY (WIGHTAGE 35.6%)

- SOME BASIC CONCEPT OF CHEMISTRY
- ATOMIC STRUCTURE
- CHEMICAL BONDING AND MOLECULAR STRUCTURE
- CHEMICAL THERMODYNAMICS
- SOLUTION
- EQUILIBRIUM
- REDOX REACTION AND ELEECTROCHEMISTRY
- CHEMICAL KENETICS

INORGANIC CHEMISTRY WEIGHTAGE(29.7%)

- CLASSIFICATION OF ELEMENTS AND PERIODICTY IN PROPERTIES
- P BLOCK ELEMENTS
- P AND F BLOCK ELEMENTS
- Co-ordinate compounds

Organic chemistry (34.7 %)

- Purification and characterisation of organic compounds
- Some basics principle of organic chemistry
- Hydrocarbons
- Organic compounds containing halogens
- Organic compounds containing oxygen
- Organic compounds containing nitrogen
- Biomolecules
- Principles Related to Practical Chemistry

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Physics (80 % weightage)

- Physics & Measurement
- Kinematics
- Law of motion
- Work , Energy & power
- Rotational motion
- Gravitation
- Properties of solid and liquids
- Thermo Dynamics
- Kinetic theory of gases
- Oscillation and waves
- Electrostatics
- Current Electricity
- Magnetic effects of current and Magnetism
- Electromagnetic induction and alternating currents
- Optics
- Dual nature of radiation
- Atoms and nuclei
- Electronic devices

Section B (20% Weightage)

- Experimental skills