| TEST CODE | DATE | NEW CONTENT FOR THE MAJOR TEST | | |
|---|---|---|---|---|
| JEE Mains Part Test 1 | 30th July 2017 | P1 - Units and Dimensions<br>P2 - 1 D Motion<br>P3 - Vectors | C1 - Basic Concepts of Chemistry<br>C2 - Atomic Structure<br>C3 - Periodic Properties | M1 - Fundamentals of Mathematics<br>M2 - Sets, Relations and Functions<br>M3 - Trigonometry |
| JEE Mains Part Test 2 | 1st Oct 2017 | P4 - 2 D Motion<br>P5 - Dynamics of a Particle<br>P6 - Work Power and Energy | C4 - Chemical Bonding<br>C5 - States of Matter<br>C6 - Thermodynamics and Thermochemistry | M5 - Inequalities<br>M6 - Quadratic Equations<br>M7 - Complex Numbers |
| JEE Mains Part Test 3 | 3rd Dec 2017 | P7 - Rotation<br>P8 - Gravitation<br>P9 - Properties of Solids | C7 - Chemical Equilibrium<br>C8 - Ionic Equilibrium<br>C9 - Redox Reactions | M8 - Permutations & Combinations<br>M9 - Binomial Theorem<br>M10- Sequences and Series |
| JEE Mains Part Test 4 | 14th Jan 2018 | P10 - Properties of Fluids<br>P11 - Thermal Properties of Matter<br>P12 - Thermodynamics and Kinetic Theory | C10 - Hydrogen<br>C11 - s-block elements<br>C12 - p-block elements I | M11 - Limits<br>M12 - Straight Lines<br>M13 - Conic Sections - I |
| JEE Mains Part Test 5 | 18th Feb 2018 | P13 - Oscillations<br>P14 - Waves | C13 - General Organic Chemistry<br>C14 - Hydrocarbons | M14 - Conic Sections - II<br>M15 - Mathematical Reasoning<br>M16 - Statistics |
| JEE Mains Part Test 6 | 15th Apr 2018 | Entire Year 1 Syllabus | Entire Year 1 Syllabus | Entire Year 1 Syllabus |
| JEE Mains Part Test 7 | 3rd June 2018 | P15 - Electrostatics<br>P16 - Capacitors | C15 - Solid State<br>C16 - Solutions<br>C17 - Electrochemistry | M17 - Functions II<br>M18 - Inverse Trigonometry |
| JEE Mains Part Test 8 | 15th July 2018 | P17 - Current Electricity<br>P18 - Magnetic effects of Current | C18 - Chemical Kinetics<br>C19 - Surface Chemistry<br>C20 - Metallurgy | M19 - Matrices and Determinants<br>M20 - Continuity and Differentiability<br>M21 - Application of Derivatives |
| JEE Mains Part Test 9 | 2nd Sept 2018 | P19 - Magnetism<br>P20 - EMI<br>P21 - AC Circuits | C21 - p-Block II<br>C22 - d and f-Block<br>C23 - Coordination Chemistry<br>C24 - Halogen Derivatives | M22 - Indefinite Integration<br>M23 - Definite Integration |
| JEE Mains Part Test 10 | 14th Oct 2018 | P22 - Ray Optics<br>P23 - Wave Optics | C25 - Alcohols and Ethers<br>C26 - Aldehydes and Ketones | M24 - Differential Equations<br>M25 - Vector Algebra |
| JEE Mains Part Test 11 | 18th Nov 2018 | P24 - Dual Nature<br>P25 - Atoms and Nuclei<br>P26 - Semiconductors<br>P27 - EM Waves and Communication Systems | C27 - Carboxylic Acids<br>C28 - Amines<br>C29 - Biochemistry | M26 - 3D Geometry<br>M27 - Probability |
| JEE Mains Part Test 12 | 2nd Dec 2018 | Entire Year 2 syllabus | Entire Year 2 syllabus | Entire Year 2 syllabus |

Avanti

# SPRINGBOARD

JEE Mains + Advanced program

18-20 Hrs of Contact Per Week

## COURSE PLANNER

Science and Math program for Class XI and XII

call 8268049991 | or visit www.avanti.in

## COURSE PLANNER : CLASS XI

| MONTH | WEEK | GRADE XI | | | |
|---|---|---|---|---|---|
| | | PHYSICS | CHEMISTRY | MATHEMATICS | BIOLOGY |
| APRIL | 1 | Units and Dimensions | Basic Concepts of Chemistry | Fundamentals of Mathematics (2) | Cell: Unit of Life |
| | 2 | Units and Dimensions | Basic Concepts of Chemistry (2) | Fundamentals of Mathematics | Cell: Unit of Life |
| | 3 | 1 D Motion (2) | Basic Concepts of Chemistry | Fundamentals of Mathematics | Biomolecules |
| | 4 | 1 D Motion | Basic Concepts of Chemistry | Sets Relations and Functions (2) | Biomolecules (2) |
| MAY | 5 | 1 D Motion | Atomic Structure (2) | Sets Relations and Functions | Cell cycle and Cell Division |
| | 6 | Vectors and Calculus (2) | Atomic Structure | Sets Relations and Functions | Cell cycle and Cell Division |
| | 7 | Vectors and Calculus | Atomic Structure (2) | Trigonometry | The Living World |
| | 8 | Vectors and Calculus (2) | Periodic Properties | Trigonometry | Biological Classification |
| JUNE | 9 | 2D Motion | Periodic Properties | Trigonometry (2) | Plant Kingdom |
| | 10 | 2D Motion (2) | Chemical Bonding | Principle of Mathematical Induction | Plant Kingdom |
| | 11 | 2D Motion | Chemical Bonding (2) | Inequalities | Animal Kingdom |
| | 12 | Dynamics of a particle (2) | Chemical Bonding | Inequalities | Animal Kingdom |
| JULY | 13 | Dynamics of a particle | Chemical Bonding | Quadratic Equations (2) | Digestion and Absorption (2) |
| | 14 | Dynamics of a particle | States of Matter (2) | Quadratic Equations | Breathing & exchange of gases |
| | 15 | Dynamics of a particle | States of Matter | Complex Numbers (2) | Breathing & exchange of gases |
| | 16 | Work Power Energy (2) | Thermodynamics and Thermochemistry | Complex Numbers | Body Fluids and Circulation |
| AUGUST | 17 | Work Power Energy | Thermodynamics and Thermochemistry (2) | Complex Numbers | Body Fluids and Circulation (2) |
| | 18 | Work Power Energy | Thermodynamics and Thermochemistry | Permutations and Combinations (2) | Morphology of Flowering Plants (2) |
| | 19 | Rotation | Chemical Equilibrium (2) | Permutations and Combinations | Anatomy of Flowering Plants |
| | 20 | Rotation (2) | Ionic Equilibrium | Permutations and Combinations | Anatomy of Flowering Plants |
| SEPTEMBER | | School Holidays | | | |
| OCTOBER | 21 | Rotation | Ionic Equilibrium | Binomial Theorem (2) | Structural Organisation in Animals (2) |
| | 22 | Gravitation | Ionic Equilibrium (2) | Binomial Theorem | Transport in Plants |
| | 23 | Gravitation (2) | Redox Reactions | Binomial Theorem | Transport in Plants |
| | 24 | Properties of Solids | Redox Reactions | Sequences and Series (2) | Mineral Nutrition (2) |
| NOVEMBER | 25 | Properties of Solids | Redox Reactions (2) | Sequences and Series | Photosynthesis in higher plants |
| | 26 | Properties of Fluids | Hydrogen | Limits (2) | Photosynthesis in higher plants (2) |
| | 27 | Properties of Fluids (2) | s-block elements | Straight Lines | Respiration in plants |
| | 28 | Properties of Fluids | p-block elements - I | Straight Lines (2) | Respiration in plants (2) |
| DECEMBER | 29 | Thermal Properties of Matter (2) | p-block elements - I | Straight Lines | Plant growth and development |
| | 30 | Thermodynamics and Kinetic Theory | General Organic Chemistry | Conic Sections - I (2) | Plant growth and development |
| | 31 | Thermodynamics and Kinetic Theory (2) | General Organic Chemistry | Conic Sections - I | Excretory products & their elimination |
| | 32 | Oscillations | General Organic Chemistry (2) | Conic Sections - II | Excretory products & their elimination |
| JANUARY | 33 | Oscillations | General Organic Chemistry | Conic Sections - II (2) | Locomotion and Movement (2) |
| | 34 | Waves | Hydrocarbons (2) | Mathematical Reasoning | Neural control & coordination |
| | 35 | Waves (2) | Hydrocarbons | Statistics | Neural control & coordination |
| | 36 | Waves | Hydrocarbons (2) | Statistics | Chemical Coordination & Integration |

*(2) means 2 classes per week of the subject*

## COURSE PLANNER : CLASS XII

| MONTH | WEEK | GRADE XII | | | |
|---|---|---|---|---|---|
| | | PHYSICS | CHEMISTRY | MATHEMATICS | BIOLOGY |
| APRIL | 1 | Electrostatics | Solid State (2) | Functions 2 | Reproduction in Organisms |
| | 2 | Electrostatics (2) | Solutions | Functions 2 | Reproduction in Organisms |
| | 3 | Electrostatics | Solutions (2) | Functions 2 | Sexual Reproduction in Flowering Plants |
| | 4 | Electrostatics | Electrochemistry | Inverse Trigonometry (2) | Sexual Reproduction in Flowering Plants (2) |
| MAY | 5 | Capacitors | Electrochemistry (2) | Matrices and Determinants | Human Reproduction |
| | 6 | Capacitors | Chemical Kinetics | Matrices and Determinants (2) | Human Reproduction |
| | 7 | Current Electricity | Chemical Kinetics (2) | Matrices and Determinants | Reproductive Health (2) |
| | 8 | Current Electricity (2) | Surface Chemistry | Continuity and Differentiability | Principles of Inheritance and Variation |
| JUNE | 9 | Current Electricity | Surface Chemistry | Continuity and Differentiability (2) | Principles of Inheritance & Variation (2) |
| | 10 | Magnetic effects of current | Metallurgy (2) | Application of Derivatives | Molecular Basis of Inheritance |
| | 11 | Magnetic effects of current (2) | p-block elements - II | Application of Derivatives | Molecular Basis of Inheritance |
| | 12 | Magnetic effects of current | p-block elements - II | Indefinite Integration (2) | Molecular Basis of Inheritance |
| JULY | 13 | Magnetism (2) | p-block elements - II | Indefinite Integration | Evolution |
| | 14 | EMI | d and f-block elements | Indefinite Integration (2) | Human health and Diseases (2) |
| | 15 | EMI (2) | d and f-block elements | Definite Integration | Human health and Diseases |
| | 16 | AC Circuits | Coordination Chemistry (2) | Definite Integration | Strategies for enhancement of food production |
| AUGUST | 17 | AC Circuits | Coordination Chemistry | Definite Integration (2) | Strategies for enhancement of food production (2) |
| | 18 | Ray Optics | Halogen derivatives (2) | Differential Equations | Microbes in Human Welfare |
| | 19 | Ray Optics (2) | Halogen derivatives | Differential Equations | Microbes in Human Welfare |
| | 20 | Wave Optics | Alcohols and Ethers | Vector Algebra | Biotechnology: Principles & Processes (2) |
| SEPTEMBER | 21 | Wave Optics | Alcohols & Ethers (2) | Vector Algebra | Biotechnology and its applications |
| | 22 | Dual nature | Aldehydes & Ketones | Vector Algebra (2) | Biotechnology and its applications |
| | 23 | Dual nature | Aldehydes & Ketones (2) | 3D Geometry | Organisms and populations (2) |
| | 24 | Atoms and Nuclei | Carboxylic Acids (2) | 3D Geometry | Ecosystem |
| OCTOBER | 25 | Atoms and Nuclei | Amines | 3D Geometry (2) | Ecosystem |
| | 26 | Semiconductor Electronics | Amines (2) | 3D Geometry | Biodiversity and conservation (2) |
| | 27 | Semiconductor Electronics | Biochemistry, Polymers & Chem in Everyday life | Probability (2) | Environmental issues |
| | 28 | Electromagnetic waves and Communication Systems | Biochemistry, Polymers & Chem in Everyday life (2) | Probability | Environmental issues |

*(2) means 2 classes per week of the subject*