



COURSE PLANNER

CLASS-XII+ | VISHESH (03JD)

Medium: Eng./Hin. | Academic Session: 2021-22

Course Start: 31.05.2021 | Syllabus End: 30.01.2022

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 35 Weeks
- ◆ Total Number of Lectures: 573 (P: 191 | C: 191 | M: 191)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 860 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 60 hrs
- ◆ Total Academic Hours in VISHESH Course: 920 hrs

SUBJECT WISE SYLLABUS PLAN

| PHYSICS (P) | | | | CHEMISTRY (C) | | | | MATHEMATICS (M) | | | |
|-------------|-----------------------------------|----------------|---------------|---------------|-----------------------------------|----------------|---------------|-----------------|-----------------------------------|----------------|---------------|
| S. No. | Topic Name/Sequence | No of Lectures | Starting Date | S. No. | Topic Name/Sequence | No of Lectures | Starting Date | S. No. | Topic Name/Sequence | No of Lectures | Starting Date |
| 1 | Rectilinear motion | 4 | 31-May-21 | 1 | Mole Concept | 6 | 31-May-21 | 1 | Fundamentals of Mathematics | 13 | 31-May-21 |
| 2 | Projectile motion | 3 | 04-Jun-21 | 2 | Quantum Mechanical model of atom | 2 | 14-Jun-21 | 2 | Quadratic Equation | 7 | 17-Jun-21 |
| 3 | Relative motion | 6 | 09-Jun-21 | 3 | Periodic Table | 2 | 16-Jun-21 | 3 | Relation, Function & ITF | 16 | 28-Jun-21 |
| 4 | Geometrical Optics | 20 | 17-Jun-21 | 4 | Real Gases | 3 | 22-Jun-21 | 4 | Statistics | 3 | 20-Jul-21 |
| 5 | Newton's laws of motion | 7 | 15-Jul-21 | 5 | Chemical Bonding-1 | 3 | 29-Jun-21 | 5 | Sequence & Series | 6 | 23-Jul-21 |
| 6 | Friction | 4 | 26-Jul-21 | 6 | Chemical Bonding-2 | 3 | 06-Jul-21 | 6 | Matrices & Determinant | 11 | 02-Aug-21 |
| 7 | Work, Power, Energy | 6 | 30-Jul-21 | 7 | Chemical Bonding-3 | 2 | 13-Jul-21 | 7 | Straight Line | 10 | 16-Aug-21 |
| 8 | Electrostatics | 16 | 09-Aug-21 | 8 | Chemical Bonding-4 | 1 | 19-Jul-21 | 8 | Circle | 8 | 27-Aug-21 |
| 9 | Gravitation | 3 | 27-Aug-21 | 9 | Chemical Bonding-4 + 5 | 1 | 20-Jul-21 | 9 | Limits, Continuity & Derivability | 12 | 06-Sep-21 |
| 10 | Current electricity | 7 | 31-Aug-21 | 10 | Chemical Bonding-5 | 2 | 21-Jul-21 | 10 | Application of Derivatives | 13 | 20-Sep-21 |
| 11 | Capacitance | 7 | 08-Sep-21 | 11 | Chemical Equilibrium | 6 | 27-Jul-21 | 11 | Solution of Triangle | 5 | 05-Oct-21 |
| 12 | Circular motion | 6 | 16-Sep-21 | 12 | Ionic Equilibrium (Elementary) | 6 | 10-Aug-21 | 12 | Conic Section | 18 | 11-Oct-21 |
| 13 | Centre of mass | 7 | 23-Sep-21 | 13 | Coordination compounds | 8 | 19-Aug-21 | 13 | Indefinite Integration | 7 | 11-Nov-21 |
| 14 | Rigid body dynamics | 11 | 01-Oct-21 | 14 | Electrochemistry | 10 | 02-Sep-21 | 14 | Definite Integration & Its App. | 11 | 19-Nov-21 |
| 15 | Simple Harmonic motion | 7 | 14-Oct-21 | 15 | Metallurgy | 3 | 21-Sep-21 | 15 | Differential Equation | 6 | 02-Dec-21 |
| 16 | String wave | 5 | 22-Oct-21 | 16 | p-Block(N & O) | 4 | 27-Sep-21 | 16 | Mathematical Reasoning | 3 | 09-Dec-21 |
| 17 | Sound wave | 6 | 28-Oct-21 | 17 | Chemical Kinetics | 7 | 04-Oct-21 | 17 | Vector & 3-D | 13 | 13-Dec-21 |
| 18 | Wave Optics | 3 | 15-Nov-21 | 18 | p-Block(Halogen & Noble gases) | 3 | 14-Oct-21 | 18 | Complex Number | 10 | 28-Dec-21 |
| 19 | EM Wave (1) | 1 | 18-Nov-21 | 19 | Solution & Colligative Properties | 8 | 20-Oct-21 | 19 | Binomial Theorem | 5 | 08-Jan-22 |
| 20 | Semiconductor | 3 | 19-Nov-21 | 20 | Surface Chemistry | 3 | 15-Nov-21 | 20 | Permutation & Combination | 8 | 14-Jan-22 |
| 21 | POC | 2 | 23-Nov-21 | 21 | Solid State | 6 | 18-Nov-21 | 21 | Probability | 6 | 24-Jan-22 |
| 22 | EMF | 7 | 25-Nov-21 | 22 | s-Block | 3 | 30-Nov-21 | | | | |
| 23 | EMI | 6 | 03-Dec-21 | 23 | Thermodynamics & Thermochem. | 8 | 06-Dec-21 | | | | |
| 24 | Alternating current | 5 | 10-Dec-21 | 24 | p-Block Elements (B&C Family) | 3 | 20-Dec-21 | | | | |
| 25 | Modern Physics-I | 5 | 16-Dec-21 | 25 | Qualitative Analysis-I | 4 | 23-Dec-21 | | | | |
| 26 | Nuclear Physics | 6 | 22-Dec-21 | 26 | Equivalent Concept | 2 | 03-Jan-22 | | | | |
| 27 | Fluid Mechanics | 4 | 29-Dec-21 | 27 | d&f-Block Element | 2 | 05-Jan-22 | | | | |
| 28 | Surface Tension | 3 | 03-Jan-22 | 28 | Qualitative Analysis-II | 4 | 11-Jan-22 | | | | |
| 29 | Elasticity and viscosity | 3 | 06-Jan-22 | 29 | Ionic Equilibrium (Advance) | 4 | 19-Jan-22 | | | | |
| 30 | KTG and thermodynamics | 8 | 10-Jan-22 | | | | | | | | |
| 31 | Calorimetry and thermal expansion | 4 | 19-Jan-22 | | | | | | | | |
| 32 | Heat transfer | 6 | 24-Jan-22 | | | | | | | | |
| | Total No. of Lectures | 191 | | | Total No. of Lectures | 191 | | | Total No. of Lectures | 191 | |

*Timings of Counseling Session for Individual Batch will be announced via time table.

DPP Distribution Schedule

| Date | Week | Module | Date | Week | Module |
|----------------------|------|--------|---------------------------|------|--------|
| Monday, 31 May, 2021 | W-1 | A | Tuesday, 05 October, 2021 | W-20 | B |

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

| S. No. | Periodic Test Type and No. | Test Pattern | Periodic Test Date | Uploading of Result on Resonance Website | Periodic Test Syllabus | | | Testing Hours | |
|----------------------------|----------------------------|--------------|------------------------|--|--|--|---|--|-------------|
| | | | | | Physics | Chemistry | | | Mathematics |
| | | | | | | Physical/ Inorganic | Organic | | |
| 1 | APT-1 | JEE (Adv.) | 27-06-2021 (Sunday) | 07-07-2021 (Wednesday) | Rectilinear motion, Projectile motion, Relative motion, G.O. (upto plane mirror) | Mole Concept, Quantum Mechanical model of atom (QMM) | IUPAC Nomenclature & Structural isomerism, Structure Identification | FOM | 6 |
| 2 | MCT-1 | JEE (Main) | 18-07-2021 (Sunday) | 28-07-2021 (Wednesday) | Rectilinear motion, Projectile motion, Relative motion, G.O. | Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding (upto Chemical Bonding-2) | IUPAC Nomenclature & Structural isomerism, Structural Identification & POC-I, GOC-I (upto Hyperconjugation & their application B.L., stability of alkenes) | FOM, Quadratic Equation, Relation Function (Up to inverse Properties) | 3 |
| 3 | ACT-1 | JEE (Adv.) | 08-08-2021 (Sunday) | 18-08-2021 (Wednesday) | Rectilinear motion, Projectile motion, Relative motion, G.O., N.I.M, Friction | Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium (upto Homogeneous equilibrium, Kc in gaseous system) | IUPAC Nomenclature & Structural isomerism, Structural Identification & POC-I, GOC-I, GOC-II (upto Carbanions) | FOM, Quadratic Equation, Relation function ITF, Sequence and Series | 6 |
| 4 | APT-2 | JEE (Adv.) | 29-08-2021 (Sunday) | 08-09-2021 (Wednesday) | G.O., N.I.M, Friction, Work, Power, energy, Electrostatics (upto Gauss law and its applications) | Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium (upto Homogeneous equilibrium, Kc in gaseous system) | POC-I, GOC-I, GOC-II | Quadratic Equation, Relation Function ITF, Sequence and Series, Matrices and Determinant | 6 |
| 5 | MCT-3 | JEE (Main) | 19-09-2021 (Sunday) | 29-09-2021 (Wednesday) | Rectilinear motion, Projectile motion, Relative motion, G.O., N.I.M, Friction, Work, Power, energy, Electrostatics, Gravitation, Current Electricity | Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry (upto Applications of electrolysis) | IUPAC Nomenclature & Structural isomerism, Structural Identification & POC-I, GOC-I, GOC-II, Stereoisomerism (Mains) | FOM, Quadratic Equation, Relation function ITF, Statistics, Sequence and Series, Matrices & Determinant, Straight Line, Circle | 3 |
| 6 | ACT-3 | JEE (Adv.) | 10-10-2021 (Sunday) | 20-10-2021 (Wednesday) | Rectilinear motion, Projectile motion, Relative motion, G.O., N.I.M, Friction, Work, Power, energy, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular motion, Centre of mass | Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, p-Block(N & O) | IUPAC Nomenclature & Struc. isomerism, Structural Identification & POC-I, GOC-I & II, Stereoisomerism (Mains), ORM-I, ORM-II (upto Directive influence & p ratio, Friedel craft Alkylation) | FOM, Quadratic Equation, Relation function ITF, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD | 6 |
| 7 | APT-3 | JEE (Adv.) | 14-11-2021 (Sunday) | 24-11-2021 (Wednesday) | Electrostatics, Gravitation, Current Electricity, Capacitance, Circular motion, Centre of mass, Rigid body dynamics, SHM, Spring waves | Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, p-Block(N & O), Chemical Kinetics (upto Relative lowering of vapour pressure) | Stereoisomerism (Mains), ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis (upto Oxidation reaction of alcohol, aldehyde & ketone and Miscellaneous oxidation) | Straight Line, Circle, LCD, ADD, SOT, Comic Section | 6 |
| 8 | MCT-3 | JEE (Main) | 05-12-2021 (Sunday) | 15-12-2021 (Wednesday) | Rectilinear motion, Projectile motion, Relative motion, G.O., N.I.M, Friction, Work, Power, energy, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular motion, Centre of mass, Rigid body dynamics, SHM, Spring waves, Sound wave, Wave optics, EMM, Semiconductor, POC | Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, p-Block(N & O), Chemical Kinetics, p-Block(Halogen & Noble gases), Solution & Colligative Properties, Surface Chemistry, Solid State (upto Ccp structure, Radius ratio rule) | IUPAC Nomenclature & Struc. isomerism, Structural Identification & POC-I, GOC-I & II, Stereoisomerism (Mains), ORM-I, ORM-II (upto Reduction, Oxidation & Hydrolysis, ORM-III (upto Nucleophilic Substitution Reaction SN2 & Sn1) | FOM, Quadratic Equation, Relation function ITF, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD, SOT, Comic Section Indefinite Integration, Definite Integration (Up to properties) | 3 |
| 9 | MMT | JEE (Main) | 26-12-2021 (Sunday) | 05-01-2022 (Wednesday) | XI Syllabus | XI Syllabus | XI Syllabus | XI Syllabus | 3 |
| 10 | MMT | JEE (Main) | 02-01-2022 (Sunday) | 12-01-2022 (Wednesday) | XII Syllabus | XII Syllabus | XI Syllabus | XII Syllabus | 3 |
| 11 | MMT | JEE (Main) | 05-01-2022 (Wednesday) | 12-01-2022 (Wednesday) | XI & XII Syllabus | XI & XII Syllabus | XI & XII Syllabus | XI & XII Syllabus | 3 |
| 12 | AIDT | JEE (Adv.) | 06-02-2022 (Sunday) | 16-02-2022 (Wednesday) | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | 6 |
| 13 | MT | JEE (Main) | 09-02-2022 (Wednesday) | 16-02-2022 (Wednesday) | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | 3 |
| 14 | AIDT | JEE (Main) | 13-02-2022 (Wednesday) | 23-02-2022 (Wednesday) | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | 3 |
| TOTAL TESTING HOURS | | | | | | | | | 60 |

Note: 1. Students are advised to refer their notice board for test timings | 2. Their will be no classes on the preceding Saturday before every PTs/ CTs (except BPTs).
3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.