



COURSE PLANNER

CLASS-XIII | VISHESH (00JD / 01JD)

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

Course Start: 08.03.2021 | Syllabus End: 01.01.2022

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

- ♦ Course Duration: 43 Weeks
- ♦ Total Number of Lectures: 567 (P: 183 | C: 201 | M: 183)
- ♦ Duration of one lecture: 1.5 hrs = 90 minutes
- ♦ Total Duration of Classroom Teaching: 851 hrs
- ♦ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 75 hrs
- ♦ Total Academic Hours in VISHESH Course: 926 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	08-Mar-21	PHYSICAL/ INORGANIC			1	Fundamentals of Mathematics	11	08-Mar-21	
2	Projectile motion	3	15-Mar-21	1	Mole Concept	6	08-Mar-21	2	Quadratic Equation	7	30-Mar-21
3	Relative motion	6	23-Mar-21	2	Quantum Mechanical model of atom	3	31-Mar-21	3	Relation, Function & ITF	14	13-Apr-21
4	Geometrical Optics	18	05-Apr-21	3	Periodic Table	3	07-Apr-21	4	Statistics	2	11-May-21
5	Newton's laws of motion	7	12-May-21	4	Real Gases	3	14-Apr-21	5	Sequence & Series	5	13-May-21
6	Friction	4	31-May-21	5	Chemical Bonding-1 to 4	9	21-Apr-21	6	Matrices & Determinant	9	24-May-21
7	Work, Power, Energy	5	07-Jun-21	6	Chemical Bonding-4 + 5	1	18-May-21	7	Straight Line	10	14-Jun-21
8	Electrostatics	16	15-Jun-21	7	Chemical Bonding-5	2	19-May-21	8	Circle	7	30-Jun-21
9	Gravitation	3	13-Jul-21	8	Chemical Equilibrium	6	31-May-21	9	Limits, Continuity & Derivability	11	13-Jul-21
10	Current electricity	7	19-Jul-21	9	Ionic Equilibrium (Elementary)	6	14-Jun-21	10	Application of Derivatives	12	02-Aug-21
11	Capacitance	7	29-Jul-21	10	Coordination compounds	8	28-Jun-21	11	Solution of Triangle	4	23-Aug-21
12	Circular motion	5	11-Aug-21	11	Electrochemistry	8	14-Jul-21	12	Conic Section	15	27-Aug-21
13	Centre of mass	7	23-Aug-21	12	Metallurgy	3	03-Aug-21	13	Indefinite Integration	6	17-Sep-21
14	Rigid body dynamics	11	01-Sep-21	13	p-Block (N & O)	5	10-Aug-21	14	Definite Integration & Its App.	12	27-Sep-21
15	Simple Harmonic motion	7	16-Sep-21	14	Chemical Kinetics	7	23-Aug-21	15	Differential Equation	5	13-Oct-21
16	String wave	5	27-Sep-21	15	p-Block (Halogen & Noble gases)	3	07-Sep-21	16	Mathematical Reasoning	3	20-Oct-21
17	Sound wave	6	04-Oct-21	16	Solution & Colligative Properties	8	14-Sep-21	17	Vector & 3-D	13	25-Oct-21
18	Wave Optics	3	12-Oct-21	17	Surface Chemistry	3	04-Oct-21	18	Complex Number	13	20-Nov-21
19	EM Wave (1)	1	15-Oct-21	18	Solid State	6	11-Oct-21	19	Binomial Theorem	6	06-Dec-21
20	Semiconductor	3	18-Oct-21	19	s-Block	3	25-Oct-21	20	Permutation & Combination	12	13-Dec-21
21	POC	2	21-Oct-21	20	Thermodynamics & Thermochem.	9	11-Nov-21	21	Probability	6	27-Dec-21
22	EMF	6	25-Oct-21	21	p-Block Elements (B&C Family)	3	25-Nov-21				
23	EMI	6	12-Nov-21	22	Qualitative Analysis-I	5	01-Dec-21				
24	Alternating current	3	19-Nov-21	23	Equivalent Concept	2	09-Dec-21				
25	Modern Physics-I	5	23-Nov-21	24	d&f-Block Element	3	14-Dec-21				
26	Nuclear Physics	4	29-Nov-21	25	Qualitative Analysis-II	4	20-Dec-21				
27	Fluid Mechanics	4	03-Dec-21	26	Ionic Equilibrium (Advance)	4	27-Dec-21				
28	Surface Tension	3	08-Dec-21	ORGANIC							
29	Elasticity and viscosity	1	11-Dec-21	1	IUPAC Nomenclature	7	08-Mar-21				
30	KTG and thermodynamics	6	13-Dec-21	2	Structural isomerism	5	06-Apr-21				
31	Calorimetry and thermal expansion	3	20-Dec-21	3	Structure Identification & POC-I	4	26-Apr-21				
32	Heat transfer	3	23-Dec-21	4	Structure Identification & POC	3	11-May-21				
33	Buffer	9		5	GOC-I & II	16	31-May-21				
				6	Stereoisomerism (Mains)	6	26-Jul-21				
				7	ORM-I & II	12	16-Aug-21				
				8	Reduction, Oxidation & Hydrolysis	3	27-Sep-21				
				9	ORM-III & IV	7	05-Oct-21				
				10	Aromatic Compound	4	11-Nov-21				
				11	Hydrocarbon	1	23-Nov-21				
				12	Carbonyl compounds	4	29-Nov-21				
				13	Acid & derivatives	1	13-Dec-21				
				14	Biomolecules & Polymers	3	14-Dec-21				
				15	Stereoisomerism (Advanced)	1	27-Dec-21				
				16	Phy. prop. & Chem. In Everyday Life	1	28-Dec-21				
	Total No. of Lectures	183			Total No. of Lectures	201			Total No. of Lectures	183	

DPP DISTRIBUTION SCHEDULE

Date & Week	Monday, 8 March 2021 (W-1)	Monday, 26 April 2021 (W-8)	Monday, 26 July 2021 (W-21)
Module	Module-A	Module-B	Module-C

RESONANCE EDUVENTURES LTD.

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	Uploading of Result on Resonance Website	Physics		Chemistry		Mathematics	Testing Hours
					Physics	Chemistry	Physical/ Inorganic	Organic		
1	APT-1	JEE (Adv.)	04-04-2021 (Sunday)	14-04-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion (One dimension)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics (Up to Total internal reflection).	Mole concept	IUPAC Nomenclature	FOM	6
2	MCT-1	JEE (Main)	25-04-2021 (Sunday)	05-05-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics (Up to Total internal reflection).	Mathematical Optics (Up to Total internal reflection).	Quantum Mechanical model of atom and Mole Concept (up to Balancing of Redox Reaction).	IUPAC Nomenclature	FOM, Quadratic Equation	3
3	ACT-1	JEE (Adv.)	16-05-2021 (Sunday)	26-05-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics	Mathematical Tools, Rectilinear motion, Projectile Motion, Geometrical Optics	Mole concept, GMM	IUPAC Nomenclature	FOM, Quadratic Equation, Relation function (Not ITF)	6
4	APT-2	JEE (Adv.)	06-06-2021 (Sunday)	16-06-2021 (Wednesday)	Relative motion, Geometrical Optics, Newtons laws of motion	Relative motion, Geometrical Optics, Newtons laws of motion	Mole concept, GMM, Periodic table, Real gases	IUPAC Nomenclature, Structural isomers, Structure Identification	FOM, Quadratic Equation, Relation Function ITF, Sequence and Series	6
5	MCT-2	JEE (Main)	27-06-2021 (Sunday)	07-07-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics (Electric field due to point charge)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics (Electric field due to point charge)	Mole Concept, GMM, Real Gases, Periodic table, CBO-1, CBO-2 (up to VSEPR Theory)	POC, GOC	FOM, Quadratic Equation, Relation function ITF, Statistics, Sequence and Series, Matrices & Determinant	3
6	ACT-2	JEE (Adv.)	18-07-2021 (Sunday)	28-07-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics	Mole concept, GMM, Real gases, Periodic table, Chemical bonding (up to CBO-3)	IUPAC Nomenclature, Structural isomers, Structure Identification	FOM, Quadratic Equation, Relation function ITF, Sequence and Series, Matrices & Determinant, Straight Line	6
7	APT-3	JEE (Adv.)	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Friction, WPE, Electrostatics, Gravitation, Current electricity	Friction, WPE, Electrostatics, Gravitation, Current electricity	Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry	POC-1, GOC-I & GOC-II, Chiral carbon, RS, DI nomenclature)	Matrices & Determinant, Straight Line, Circle, LCD (up to limits)	6
8	MCT-3	JEE (Main)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, COM, RBD (Up to Angular momentum about a point and about an axis)	Mole Concept, GMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy, p-block Elements (15 & 16)	IUPAC Nomenclature, Structural isomers, Structure Identification, POC-1, GOC-I & GOC-II, Stereoisomerism (Main)	FOM, Quadratic Equation, Relation function ITF, Statistics, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD (up to Monotonicity about a point)	3
9	ACT-3	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, COM, RBD (Up to Angular momentum about a point and about an axis)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, COM, RBD (Up to Angular momentum about a point and about an axis)	Mole Concept, GMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy, p-block Elements (15 & 18), Chemical Kinetics	IUPAC Nomenclature, Structural isomers, Structure Identification, POC-1, GOC-I & GOC-II, Stereoisomerism (Main), ORM-I & ORM-II (up to Friedel craft Acylation reaction & its limitations)	FOM, Quadratic Equation, Relation function ITF, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD, SOT, Conic Section (Tangent Normal)	3
10	APT-4	JEE (Adv.)	14-10-2021 (Sunday)	24-10-2021 (Wednesday)	Capacitance, Circular Motion, COM, RBD, SHM, Spring wave	Capacitance, Circular Motion, COM, RBD, SHM, Spring wave	Electrochemistry, Metallurgy, p-block Elements (15 & 18), Chemical Kinetics, Solution & Colligative Properties	Stereoisomerism (Main), ORM-I & ORM-II, Reduction, Oxidation	ADD, SOT, Conic, Indefinite Integration	3
11	MCT-4	JEE (Main)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, COM, RBD, SHM, Spring wave, Sound wave, Wave optics, EMW, Semiconductor, POC, EMF	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, COM, RBD, SHM, Spring wave, Sound wave, Wave optics, EMW, Semiconductor, POC, EMF	Mole Concept, GMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy, p-block Elements (15 & 18), Chemical Kinetics, Solution & Colligative Properties, Surface Chemistry, solid State, s-block Elements	IUPAC Nomenclature, Structural isomers, Structure Identification, POC-1, GOC-I & GOC-II, Stereoisomerism (Main), ORM-I & II, Reduction, Oxidation & Hydrolysis, ORM-III & IV	FOM, Quadratic Equation, Relation function ITF, Statistics, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD, SOT, Conic Section, Indefinite Integration, Definite integration and Its Application, Differential Equation, Mathematical Reasoning	3
12	APT-5	JEE (Adv.)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	Sound wave, Wave optics, EMF, EMI, AC, Modern Physics	Sound wave, Wave optics, EMF, EMI, AC, Modern Physics	Chemical Kinetics, Solution & Colligative Properties, Surface Chemistry, solid State, s-block Elements, Thermodynamics & Thermochemistry, p-Block Elements (6&8 Family)	Reduction, Oxidation & Hydrolysis, ORM-III & IV, Aromatic Compound, Preparation of Hydrocarbon	Definite Integration and Its Application, Differential Equation, Vector and 3D, Complex Number (up to Cube root of unity)	6
13	MMT	JEE (Main)	26-12-2021 (Sunday)	06-01-2022 (Wednesday)	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	3
14	MMT	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	3
15	MMT	JEE (Main)	06-02-2022 (Sunday)	16-02-2022 (Wednesday)	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	3
16	AIDT	JEE (Adv.)	09-02-2022 (Wednesday)	16-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
17	MT	JEE (Main)	13-02-2022 (Sunday)	23-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
18	AIDT	JEE (Main)	13-02-2022 (Sunday)	23-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
TOTAL TESTING HOURS										75

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 PTF/ O's (except BPTs).
3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.