



COURSE PLANNER

CLASS-XII | VIJETA (02JP Plus)

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

Course Start: 15.02.2021 | Syllabus End: 01.01.2022

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

- ♦ Course Duration: 43 Weeks
- ♦ Total Number of Lectures: 778 (P: 256 | C: 262 | M: 262)
- ♦ Duration of one lecture: 1.5 hrs = 90 minutes
- ♦ Total Duration of Classroom Teaching: 1167 hrs
- ♦ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 87 hrs
- ♦ Total Academic Hours in VIJETA Course: 1254 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	Mathematical Tools	6	15-02-2021	PHYSICAL/ INORGANIC			1	Fundamentals of Mathematics-I	11	15-02-2021	
2	Rectilinear Motion	5	22-02-2021	1	Mole Concept	8	15-02-2021	2	Quadratic Equation	10	27-02-2021
3	Projectile Motion	5	27-02-2021	2	Atomic Structure	11	01-03-2021	3	Trigonometry	12	11-03-2021
4	Relative Motion	5	05-03-2021	3	Gaseous State-1	6	18-03-2021	4	Sequence & Series	7	25-03-2021
5	NLM	6	13-03-2021	4	Gaseous State-2	2	01-04-2021	5	Fundamentals of Mathematics-II	10	05-04-2021
6	Friction	5	22-03-2021	5	BIN	2	06-04-2021	6	Binomial Theorem	9	16-04-2021
7	Work, Power & Energy	7	29-03-2021	6	Periodic Table	4	08-04-2021	7	Permutation & Combination	12	27-04-2021
8	Circular Motion	8	08-04-2021	7	Chemical Bonding-1	15	15-04-2021	8	Straight Line	14	11-05-2021
9	Centre of Mass	10	17-04-2021	8	Chemical Equilibrium	7	12-05-2021	9	Mathematical Reasoning	4	28-05-2021
10	Rigid Body Dynamics	13	29-04-2021	9	Thermodynamics & Thermochem.	11	25-05-2021	10	Circle	11	01-06-2021
11	Simple Harmonic Motion	9	14-05-2021	10	Ionic Equilibrium (Elementary)	5	10-06-2021	11	Solution of Triangle	6	14-06-2021
12	Geometrical Optics	23	25-05-2021	11	Ionic Equilibrium (Advanced)	5	23-06-2021	12	Conic Section	18	21-06-2021
13	Electrostatics	24	21-06-2021	12	s-Block	4	05-07-2021	13	Statistics	3	12-07-2021
14	Gravitation	5	19-07-2021	13	p-Block (13-14 groups)	4	12-07-2021	14	Mathematical Induction	1	15-07-2021
15	Current Electricity	12	24-07-2021	14	Solution & Colligative Properties	9	19-07-2021	15	Relation & Functions	17	16-07-2021
16	Capacitance	10	07-08-2021	15	Coordination compound	12	03-08-2021	16	Probability	10	05-08-2021
17	EMF	14	19-08-2021	16	Solid State	9	24-08-2021	17	Limits, Continuity & Derivability	13	17-08-2021
18	EMI	11	04-09-2021	17	Electrochemistry	12	08-09-2021	18	Method of Differentiation	5	01-09-2021
19	Alternating Current	5	17-09-2021	18	Metallurgy	5	29-09-2021	19	Application of Derivatives	14	07-09-2021
20	Modern Physics-I	10	23-09-2021	19	"Qualitative Analysis(Only anion)"	5	07-10-2021	20	Matrices & Determinant	12	23-09-2021
21	Nuclear Physics	6	05-10-2021	20	Nitrogen Oxygen family	8	18-10-2021	21	Vector & 3-D	17	07-10-2021
22	Semiconductor	6	12-10-2021	21	Equivalent concept & titrations	4	13-11-2021	22	Linear Programming	3	27-10-2021
23	POC	3	19-10-2021	22	Halogen and noble gas	4	18-11-2021	23	Binary Operation	1	31-10-2021
24	EMW	1	22-10-2021	23	Chemical Kinetics	9	25-11-2021	24	Indefinite Integration	8	15-11-2021
25	Fluids	5	23-10-2021	24	Surface chemistry	4	13-12-2021	25	Definite Integratin & Its Application	13	24-11-2021
26	Surface Tension	2	12-11-2021	25	Qualitative Analysis (Only Cation)	5	20-12-2021	26	Differential Equation	9	09-12-2021
27	Elasticity and viscosity	2	15-11-2021	26	d-Block	3	28-12-2021	27	Complex Number	11	20-12-2021
28	String waves	6	17-11-2021	ORGANIC			1	Revision	1		
29	Sound Waves	6	24-11-2021	1	IUPAC Nomenclature	5	15-02-2021				
30	Wave Optics	7	01-12-2021	2	Structural Isomerism	2	02-03-2021				
31	Unit & Dimension	1	09-12-2021	3	Structural Identification & POC	3	09-03-2021				
32	Measurement Error & Experiments	3	10-12-2021	4	GOC-I & II	13	22-03-2021				
33	KTG & Thermodynamics	7	14-12-2021	5	Stereoisomerism	12	10-05-2021				
34	Calorimetry & Thermal Expansion	3	22-12-2021	6	ORM-I & II	18	21-06-2021				
35	Heat Transfer	5	25-12-2021	7	Reduction, Oxidation & Hydrolysis	4	23-08-2021				
				8	ORM-III & IV	11	06-09-2021				
				9	Aromatic Compound	6	18-10-2021				
				10	Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	7	16-11-2021				
				11	Biomolecules & Polymer	4	13-12-2021				
				12	Chemistry in Everyday Life	1	27-12-2021				
				13	Physical Properties, POC-II	1	28-12-2021				
	Total No. of Lectures	256		Total No. of Lectures	262			Total No. of Lectures	262		

COUNSELING SESSIONS SCHEDULE*

Session 01	Session 02	Session 03
20 - 26 April 2021	20 - 26 July 2021	5 - 11 October 2021

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.)	07-03-2021 (Sunday)	17-03-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion	Mole Concept, Atomic Structure (upto Estimation of closest approach, Sommerfeld's model's, isotopes, isobars, isodiaphs), Electromagnetic Radiations (properties of waves)	IUPAC Nomenclature	FOM-1	6	
2	MCT-1	JEE (Main)	21-03-2021 (Sunday)	31-03-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative Motion, NIM (Problem of equilibrium & with acceleration, Constrained motion (String constrained)(Lecture 1)	Mole Concept, Atomic Structure (upto Electronic configuration, Nuclear Chemistry)	IUPAC Nomenclature, Structural Isomerism & Structural Identification & POC (upto Ozonolysis, POC-I)	FOM-1, Quadratic Equation	3	
3	ACT-1	JEE (Adv.)	18-04-2021 (Sunday)	28-04-2021 (Wednesday)	Mathematical tools, Rectilinear Motion, Projectile Motion, Relative Motion, Newtons laws of motion, Friction, WPE, Circular Motion	Mole Concept: Atomic Structure, Gaseous State-1 & 2, BIN, Periodic Table	IUPAC Nomenclature, Structural Isomerism & Structural Identification & POC, GOC-I	FOM-1, Quadratic Equation, Sequence and Series, Trigonometric Ratio and Equation	6	
4	APT-2	JEE (Adv.)	09-05-2021 (Sunday)	19-05-2021 (Wednesday)	Relative Motion, Newtons laws of motion, Friction, WPE, Circular Motion, Centre of mass, RBD (Fixed axis angular momentum conservation)	Atomic Structure, Gaseous State-1 & 2, BIN, Periodic Table, Chemical Bonding (upto Chemical Bonding-3)	Structural Isomerism & Structural Identification (upto Basic strength of organic compounds/ nitrogenous base)	Quadratic Equation, Sequence and Series, Trigonometric Ratio and Equation, FOM-2, Binomial Theorem	6	
5	MCT-2	JEE (Main)	30-05-2021 (Sunday)	09-06-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, NIM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Geometrical Optics (Upto Plane mirror)	Mole Concept, Atomic Structure, Gaseous State-1 & 2, BIN, Periodic Table, Chemical Bonding, Chemical Equilibrium, Thermodynamic (Upto Introduction & Definitions + Graph Conversion, Reversible & Irreversible Process)	IUPAC Nomenclature, Structural Isomerism & Identification & POC, GOC-I & II, Stereoisomerism (Chiral atom, projection formula & conversion)	FOM-1, Quadratic Equation, Sequence and Series, Trigonometric Ratio and Equation, FOM-2, Binomial Theorem, P & C	3	
6	ACT-2	JEE (Adv.)	20-06-2021 (Sunday)	30-06-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, NIM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Geometrical Optics	Mole Concept: Atomic Structure, Gaseous State-1 & 2, BIN, Periodic Table, Chemical Bonding, Chemical Equilibrium, Thermodynamic & Thermochemistry (Elementary) (Upto pH calculation)	IUPAC Nomenclature, Structural Isomerism & Structural Identification & POC, GOC-I, GOC-II, Stereoisomerism (Calculation of number of stereoisomer & Discussion)	FOM-1, Quadratic Equation, Trigonometric Ratios and Equation, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line	6	
7	APT-3	JEE (Adv.)	11-07-2021 (Sunday)	21-07-2021 (Wednesday)	RBD, SHM, Geometrical optics, Electrostatics (Electric potential due to hollow and solid sphere)	Chemical Equilibrium, Thermodynamic & Thermochemistry, Ionic Equilibrium (Elementary + Advanced)	GOC-I, GOC-II, Stereoisomerism, ORM-I (upto Nucleophilic addition reaction of carbonyl compounds (CN ⁻ , RMgX, LAH4 and NaBH4))	Binomial Theorem, P & C, Straight Line, Circle, Solution of Triangle	6	
8	MCT-3	JEE (Main)	01-08-2021 (Sunday)	11-08-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, NIM, Friction, WPE, Circular Motion, COM, RBD, SHM, GO, Electrostatics, CE (upto Dependence of Resistance and Resistivity on temperature)	Class-XI Full Syllabus	IUPAC Nomenclature, Structural Isomerism & Structural Ident. & POC, GOC-I & II, Stereoisomerism, ORM-I & II (upto Directive influence & op ratb)	FOM-1, Quadratic Equation, Trigonometric Ratios and Equation, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Circle, Conic Section, Mathematical Reasoning, Statistics	3	
9	ACT-3	JEE (Adv.)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, NIM, Friction, WPE, Circular Motion, COM, RBD, SHM, GO, Electrostatics, Gravitation, CE, Capacitance, EMF (Upto B, due to arc, ring)	Ionic Equilibrium (Elementary + Advanced), s-Block Elements, Solution & Colligative Properties, Coordination Compounds	IUPAC Nomenclature, Structural Isomerism & Structural Identification & POC, GOC-I & II, Stereoisomerism, ORM-I & II, Reduction, Oxidation & Hydrolysis (upto Oxidation reaction of hydrocarbon)	FOM-1, Quadratic Equation, Trigonometric Ratios and Equation, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Circle, Conic Section, Function and Inverse Trigonometric Function, Probability	6	
10	APT-4	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI (L-R series growth circuit)	Thermodynamic & Thermochemistry, p-Block Elements (13 & 14 groups), Coordination Compounds, Solid State, Electrochemistry (upto Calculating SPP of an electrode from the given SPP of other electrode)	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III (upto Nucleophilic Substitution Reaction SN1)	Conic Section, Function and Inverse Trigonometric Function, Probability, LOD, MOD	6	
11	MCT-4 + BPT-1	JEE (Main) + Board	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Rectilinear Motion, Relative Motion, NIM, Friction, WPE, Circular Motion, COM, RBD, SHM, GO, Electrostatics, Gravitation, CE, Capacitance, EMF, EMI, Alternating current, Modern Physics	MCT-4 : Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Chemical Bonding, BPT-1 : Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry	IUPAC Nomenclature, Structural Isomerism & Structural Identification & POC, GOC-I & II, Reduction, Oxidation & Hydrolysis (upto Elimination Reaction E1)	FOM-1, Quadratic Equation, Trigonometric Ratios and Equation, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Circle, Conic Section, Function and Inverse Trigonometric Function, Probability, Mathematical Reasoning, Statistics, LOD, MOD, ADD	3+3	
12	ACT-4	JEE (Adv.)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, NIM, Friction, WPE, Circular Motion, COM, RBD, SHM, GO, Electrostatics, Gravitation, CE, Capacitance, EMF, EMI, Alternating current, Modern Physics, Nuclear-Physics, Fluid mechanics	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block Elements (15 to 16 groups)	IUPAC Nomenclature, Struct. Isomerism & Structural Identification & POC, GOC-I & II, Stereoisomerism, ORM-I & II, Reduction, Oxidation & Hydrolysis, ORM-III & IV, Aromatic Compounds (upto Chemical reaction of aniline)	FOM-1, Quadratic Equation, Trigonometric Ratios and Equation, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Circle, Conic Section, Function and Inverse Trigonometric Function, Probability, LOD, MOD, ADD, Matrices and Determinant, Vector and 3-D	6	
13	APT-5	JEE (Adv.)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	EMI, AC, MP-1, MP-2, Semiconductor, POC, EMW, Fluid mechanics, Surface Tension, Elasticity & Viscosity, String wave, Sound wave	Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block Elements (15 to 18 groups), Equivalent concept & titrations, Chemical Equilibrium, s-block Elements	ORM-III, ORM-IV, Aromatic Compounds (Carbonyl Compounds, Carboxylic Acid & Acid Derivatives (upto Alkyl condensation reaction))	ADD, Matrices and Determinant, Vector and 3-D, Indefinite Integration	6	
14	BPT Math & Phy.	Board Pattern	19-12-2021 (Sunday)	29-12-2021 (Wednesday)	Class-XII Full Syllabus	Class-XII Full Syllabus	Class-XII Full Syllabus	Full Syllabus XII	3+3	
15	BPT-Chem	Board Pattern	20-12-2021 (Monday)	30-12-2021 (Thursday)	Class-XII Full Syllabus	Class-XII Full Syllabus	Class-XII Full Syllabus	Class-XI Full Syllabus	3	
16	M/MT	JEE (Main)	26-12-2021 (Sunday)	05-01-2022 (Wednesday)	Class-XI Full Syllabus	Class-XI Full Syllabus	Class-XII Full Syllabus	Class-XI Full Syllabus	3	
17	M/MT	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Sunday)	Class-XII Full Syllabus	Class-XII Full Syllabus	Class-XII Full Syllabus	Class-XII Full Syllabus	3	
18	M/MT	JEE (Main)	05-01-2022 (Sunday)	15-01-2022 (Wednesday)	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	3	

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

TOTAL TESTING HOURS

87