

COURSE PLANNER

CLASS-XII+ | VIJAY (01RJ)

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

Course Start: 06.10.2021 | Syllabus End: 09.04.2022

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

Course Duration: 26 Weeks

Total No. of Lectures: 479 (P: 155 | C: 169 | M: 155)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 719 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AOT): 48 hrs

Total Academic Hours in VIJAY Course: 767 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	06-Oct-21	PHYSICAL/ INORGANIC			1	Fundamentals of Mathematics	11	06-Oct-21	
2	Projectile motion	2	12-Oct-21	1	Mole Concept	4	06-Oct-21	2	Quadratic Equation	7	27-Oct-21
3	Relative motion	3	18-Oct-21	2	Quantum Mech. model of atom	2	18-Oct-21	3	Relation, Function & ITF	12	15-Nov-21
4	Geometrical Optics	14	25-Oct-21	3	Periodic Table	2	25-Oct-21	4	Statistics	2	29-Nov-21
5	Newton's laws of motion	7	19-Nov-21	4	Real Gases	3	27-Oct-21	5	Sequence & Series	5	01-Dec-21
6	Friction	4	26-Nov-21	5	Chemical Bonding-1	3	11-Nov-21	6	Matrices & Determinant	8	07-Dec-21
7	Work, Power, Energy	5	30-Nov-21	6	Chemical Bonding-2	2	16-Nov-21	7	Straight Line	8	16-Dec-21
8	Electrostatics	12	04-Dec-21	7	Chemical Bonding-3	2	18-Nov-21	8	Circle	6	25-Dec-21
9	Gravitation	3	17-Dec-21	8	Chemical Bonding-4	1	22-Nov-21	9	Limits, Continuity & Derivability	11	01-Jan-22
10	Current electricity	6	20-Dec-21	9	Chemical Bonding-5	3	23-Nov-21	10	Application of Derivatives	12	14-Jan-22
11	Capacitance	7	25-Dec-21	10	Chemical Equilibrium	6	26-Nov-21	11	Mathematical Reasoning	3	28-Jan-22
12	Circular motion	4	01-Jan-22	11	Ionic Equilibrium (Elementary)	6	06-Dec-21	12	Conic Section	12	31-Jan-22
13	Centre of mass	6	06-Jan-22	12	Coordination compounds	7	14-Dec-21	13	Indefinite Integration	5	12-Feb-22
14	Rigid body dynamics	11	12-Jan-22	13	Electrochemistry	6	27-Dec-21	14	Definite Integration & Its App.	9	17-Feb-22
15	Simple Harmonic motion	6	22-Jan-22	14	Metallurgy	2	05-Jan-22	15	Differential Equation	4	26-Feb-22
16	String wave	5	29-Jan-22	15	Qualitative Analysis-I	3	10-Jan-22	16	Vector & 3-D	11	02-Mar-22
17	Sound wave	6	04-Feb-22	16	p-Block (Halogen & Noble gases)	2	13-Jan-22	17	Complex Number	8	12-Mar-22
18	Wave Optics	3	11-Feb-22	17	Chemical Kinetics	7	18-Jan-22	18	Solution of Triangle	3	21-Mar-22
19	EM Wave (1)	1	15-Feb-22	18	Solution & Colligative Properties	7	31-Jan-22	19	Binomial Theorem	5	24-Mar-22
20	Semiconductor	3	16-Feb-22	19	Solid State	5	10-Feb-22	20	Permutation & Combination	8	29-Mar-22
21	POC	2	19-Feb-22	20	Surface Chemistry	3	21-Feb-22	21	Probability	5	06-Apr-22
22	EMF	7	22-Feb-22	21	Qualitative Analysis-II	3	24-Feb-22				
23	EMI	5	02-Mar-22	22	s-Block	2	02-Mar-22				
24	Alternating current	3	08-Mar-22	23	p-Block (N & O)	4	07-Mar-22				
25	Modern Physics-I	5	11-Mar-22	24	Thermodynamics & Thermochem.	7	14-Mar-22				
26	Nuclear Physics	4	17-Mar-22	25	p-Block Elements (B&C Family)	3	24-Mar-22				
27	Fluid Mechanics	4	22-Mar-22	26	Equivalent Concept	2	30-Mar-22				
28	Surface Tension	2	26-Mar-22	27	d-Block Element	2	04-Apr-22				
29	Elasticity and viscosity	1	29-Mar-22	28	Ionic Equilibrium (Advance)	2	06-Apr-22				
30	KTG and thermodynamics	6	30-Mar-22	ORGANIC							
31	Calorimetry & thermal expansion	2	06-Apr-22	1	IUPAC Nomenclat. & Struc. isomerism	5	06-Oct-21				
32	Heat transfer	2	08-Apr-22	2	Structure Identification & POC-I	2	19-Oct-21				
				3	Structural Identification & POC	1	26-Oct-21				
				4	GOC-I	5	11-Nov-21				
				5	GOC-II	7	29-Nov-21				
				6	Stereoisomerism (Mains)	5	20-Dec-21				
				7	ORM-I	4	29-Dec-21				
				8	ORM-II	7	10-Jan-22				
				9	Reduction, Oxidation & Hydrolysis	4	25-Jan-22				
				10	ORM-III	4	02-Feb-22				
				11	ORM-IV	3	14-Feb-22				
				12	Aromatic Compound	4	21-Feb-22				
				13	Hydrocarbon	1	01-Mar-22				
				14	Carbonyl comp., Acid & derivatives	6	02-Mar-22				
				15	Biomolecules & Polymers	5	16-Mar-22				
				16	Stereoisomerism (Advanced)	3	29-Mar-22				
				17	Physical properties	1	05-Apr-22				
				18	Chemistry In Everyday Life	1	06-Apr-22				
Total No. of Lectures		155		Total No. of Lectures		169		Total No. of Lectures		155	

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Wednesday, 6 October, 2021	W-1	A	Monday, 17 January, 2022	W-16	B

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	Periodic Test Syllabus		Testing Hours		
					Physics	Chemistry		Mathematics	
					Physical/ Inorganic	Organic			
1	APT-1	JEE (Adv.)	31-10-2021 (Sunday)	10-11-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative motion	Mole Concept, Quantum Mechanical model of atom (QMM)	IUPAC Nomenclature & Structural isomerism, Structure Identification	FOM	6
2	MCT-1	JEE (Main)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics (Up to Combination of curved mirror & Plane mirror)	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases	IUPAC Nomenclature, Structural isomerism, Structure Identification & POC-I	FOM, Quadratic Equation (Graph and range)	3
3	ACT-1	JEE (Adv.)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding	IUPAC Nomenclature, Structural isomerism, Structure Identification & POC-I & II (upto Anilines, Azulene and aromatic compounds)	FOM, Quadratic Equation, Relation Function IIF.	6
4	APT-2	JEE (Adv.)	26-12-2021 (Sunday)	05-01-2022 (Wednesday)	Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation	Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary)	Structure Identification & POC-I, GOC-I & GOC-II	Quadratic Equation, Relation Function IIF, Sequence and Series, Matrices and Determinant, Straight Line (up to Locus Problem)	6
5	MCT-2	JEE (Main)	16-01-2022 (Sunday)	26-01-2022 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy	IUPAC Nomenclature & Structural isomerism, Structure Identification & POC-I, GOC-I & GOC-II, Stereoisomerism (Main), ORM-I	FOM, Quadratic Equation, Relation Function IIF, Statistics, Sequence and Series, Matrices and Determinant, Straight Line, Circle, LCD (upto Limits)	3
6	ACT-2	JEE (Adv.)	06-02-2022 (Sunday)	16-02-2022 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I, p-Block(Halogen & Noble gases), Chemical Kinetics	IUPAC Nomenclature & Structural isomerism, Structure Identification & POC-I, GOC-I & GOC-II, Stereoisomerism (Main), ORM-I & II, Reduction & Oxidation	FOM, Quadratic Equation, Relation Function IIF, Sequence and Series, Matrices and Determinant, Straight Line, Circle, Limits, Continuity & Derivability, Application of Derivatives	6
7	APT-3	JEE (Adv.)	27-02-2022 (Sunday)	09-03-2022 (Wednesday)	Current electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM, String wave, Sound wave, Wave Optics, EMM, Semiconductor, POC.	Coordination compounds, Electrochemistry, Qualitative Analysis-I, p-Block(Halogen & Noble gases), Chemical Kinetics, Solution & Colligative Properties, Solid State	Stereoisomerism (Main), ORM-I & IV, Reduction, Oxidation & Hydrolysis	Straight Line, Circle, Limits, Continuity & Derivability, Application of Derivatives, Conic Section, Indefinite Integration, Definite Integration & Its Application (up to Properties of D.I, P-6 to P-7)	6
8	MCT-3	JEE (Main)	20-03-2022 (Sunday)	30-03-2022 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM, String wave, Sound wave, Wave Optics, EMM, Semiconductor, POC, EMF, EMI, Alternating current, Modern Physics	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I & II, p-Block(Halogen & Noble gases), Chemical Kinetics, Solution & Colligative Properties, Solid State, Surface Chemistry, s-block elements, p-block elements (Nitrogen & Oxygen Family)	Structural isomerism, Structure Identification & POC-I, GOC-I & GOC-II, Stereoisomerism (Main), ORM-I & IV, Reduction, Oxidation & Hydrolysis, Aromatic Compounds, Hydrocarbon, Carbonyl compounds	FOM, Quadratic Equation, Relation Function IIF, Statistics, Sequence and Series, Matrices and Determinant, Circle, Limits, Continuity & Derivability, Application of Derivatives, Mathematical Reasoning, Conic Section, Indefinite Integration, Definite Integration & Its Application, Differential Equation, Vector & 3-D, Complex Number, (up to Properties of Modulus)	3
9	MT	JEE (Main)	03-04-2022 (Sunday)	13-04-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
10	MT	JEE (Adv.)	10-04-2022 (Sunday)	13-04-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
TOTAL TESTING HOURS								48	

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/ CIs (except BPTs).

3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.