



COURSE PLANNER

CLASS-XII | VIJETA (01JP)

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

Course Start: 15.02.2021 | Syllabus End: 10.12.2021

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 43 Weeks
- ◆ Total Number of Lectures: 490 (P:144 | C: 198 | M: 148)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 735 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 102 hrs
- ◆ Total Academic Hours in VIJETA Course: 837 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	Geometrical Optics	22	16-02-2021	PHYSICAL/ INORGANIC				1	Relation, Functions & ITF	19	15-02-2021												
2	Electrostatics	24	05-04-2021	1	Solution & Colligative Properties	9	15-02-2021	2	Rediscussion of P & C Sheet	1	18-03-2021												
3	Gravitation	5	19-05-2021	2	Coordination compound	13	09-03-2021	3	Probability	11	22-03-2021												
4	Current Electricity	12	27-05-2021	3	Solid State	10	14-04-2021	4	Limits, Continuity & Derivability	15	19-04-2021												
5	Heat Transfer	5	21-06-2021	4	Electrochemistry	13	04-05-2021	5	Method of Differentiation	4	18-05-2021												
6	Capacitance	10	30-06-2021	5	Metallurgy	6	02-06-2021	6	Rediscussion of Straight Line Sheet	1	25-05-2021												
7	EMF	14	20-07-2021	6	Qualitative Analysis(anion)	6	16-06-2021	7	Application of Derivatives	17	26-05-2021												
8	EMI	11	23-08-2021	7	p-Block(N & O)	9	30-06-2021	8	Rediscussion of circle Sheet	1	28-06-2021												
9	Alternating Current	5	16-09-2021	8	Equivalent concept & titrations	6	02-08-2021	9	Matrices & Determinant	12	29-06-2021												
10	Measurement Error & Experiments	3	27-09-2021	9	Halogen & noble gas	5	23-08-2021	10	Rediscussion of Conic Section Sheet	1	21-07-2021												
11	Modern Physics-I	10	30-09-2021	10	Chemical Kinetics	10	06-09-2021	11	Vector & 3-D	18	22-07-2021												
12	Nuclear Physics	6	20-10-2021	11	Surface chemistry	4	28-09-2021	12	Rediscussion of Trigonometry Sheet	1	25-08-2021												
13	Wave Optics	7	13-11-2021	12	Qualitative Analysis (Cation)	5	11-10-2021	13	Indefinite Integration	10	30-08-2021												
14	Semiconductor	6	24-11-2021	13	d & f-Block Element	4	20-10-2021	14	Definite Integratn & Its Application	13	15-09-2021												
15	POC	2	06-12-2021	14	s-Block	4	11-11-2021	15	Rediscussion of Quadratic Equation Sheet	1	14-10-2021												
16	EMW	2	08-12-2021	15	p-Block (13-14 groups)	5	23-11-2021	16	Differential Equation	8	16-10-2021												
				ORGANIC																			
				1	GOC-II	8	15-02-2021	17	Linear Programming	2	13-11-2021												
				2	Stereoisomerism	14	09-03-2021	18	Binary Operation	1	16-11-2021												
				3	ORM-I	12	04-05-2021	19	Complex Number	12	17-11-2021												
				4	ORM-II	11	07-06-2021																
				5	Reduction, Oxidation & Hydrolysis	9	07-07-2021																
				6	ORM-III	7	02-08-2021																
				7	ORM-IV	5	23-08-2021																
				8	Handout	1	07-09-2021																
				9	Aromatic Compound	6	13-09-2021																
				10	Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	7	05-10-2021																
				11	Biomolecules & Polymer	7	11-11-2021																
				12	Chemistry in Everyday Life	1	06-12-2021																
				13	Physical Properties, POC-II	1	07-12-2021																
Total No. of Lectures				144				Total No. of Lectures				198				Total No. of Lectures				148			

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

DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 15 February, 2021	W-1	A
2	Monday, 14 June, 2021	W-18	B
3	Monday, 20 September, 2021	W-32	C

COUNSELING SESSIONS SCHEDULE*

Session	WEEK
Session 01	05 - 10 April 2021
Session 02	12 - 17 July 2021
Session 03	18 - 23 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.)	14-03-2021 (Sunday)	24-03-2021 (Wednesday)	Geometrical Optics (upto Problems based on apparent depth and height, Problems of apparent size), KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties (upto Azeotropes & Phase diagram) + Ionic Equilibrium	GOC-II (upto Acidic Strength of Phenol, Feasibility of reaction)	Relation, Functions (Domain, Range, Gf, Fractional Part, Signum, Derivative, Inverse Function, Continuity, Differentiability, Function only) Binomial Theorem, P & C	6	
2	MCT-1	JEE (Main)	11-04-2021 (Sunday)	21-04-2021 (Wednesday)	Geometrical Optics, KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination Compounds (upto Some Properties of Coordination Compounds), Ionic Equilibrium, + Thermodynamic & Thermochemistry	GOC-I, Stereoisomerism (upto Nomenclature (R/S and D/L), Element of symmetry, (POS))	Relation, Functions (IF Binomial Theorem, P & C, Statistics, Mathematical reasoning, Set theory	3	
3	ACT-1	JEE (Adv.)	25-04-2021 (Sunday)	05-05-2021 (Wednesday)	Geometrical Optics, Electrostatics (upto Electric field due to spherical shell and solid sphere) KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination Compounds, Solid State (upto Simple Cubic, and BCC), Ionic Equilibrium, Thermodynamic function of cell reaction), Chemical Bonding, Thermodynamic & Thermochemistry	GOC-I, Stereoisomerism, GOC-II (upto Introduction to reaction mechanism)	Functions (IF, Probability, Binomial Theorem, P & C, Straight line, Circle	6	
4	APT-2	JEE (Adv.)	23-05-2021 (Sunday)	02-06-2021 (Wednesday)	Geometrical Optics, Electrostatics, Kinematics, N.M, Friction, WPE	Coordination Compounds, Solid State, Electrochemistry (upto Thermodynamic function of cell reaction), Chemical Bonding, Periodic table, BN	GOC-I, Stereoisomerism, ORM-I	Probability, LCD, Straight line, Circle, Conic Section	6	
5	MCT-2	JEE (Main)	13-06-2021 (Sunday)	23-06-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity (upto KCL & KVD), Kinematics, N.M, Friction, WPE	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy (upto Reactions, Smelting), Chemical Bonding, Periodic table, BN	GOC-II, Stereoisomerism, ORM-I, ORM-II	Relation, Function, (IF Probability, LCD, MOD, Set, Mathematical reasoning, Statistics, Binomial theorem, P & C, Straight line, Circle, Conic Section.	3	
6	ACT-2	JEE (Adv.)	04-07-2021 (Sunday)	14-07-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Kinematics, N.M, Friction, WPE	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), Chemical Bonding, Periodic table, BN	GOC-II, Stereoisomerism, ORM-I, ORM-II (upto Free radical addition reaction)	Function, (IF, Probability, LCD, MOD, ADD (Tangent and Normal only), Binomial theorem, P & C, Straight line, Circle, Conic Section	6	
7	APT-3	JEE (Adv.)	25-07-2021 (Sunday)	04-08-2021 (Wednesday)	Current electricity, Heat transfer, Capacitance, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions	Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block (15th groups), Equivalent concept, & titrations (upto equivalent weight, n-factor and Normality for Oxidant and Reductant), Gaseous State (Ideal + Real)	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis (upto Oxidation reaction of hydrocarbon)	LCD, MOD, ADD Circle, Conic Section, FDM-I & FDM-II, Trigonometry, SOT, Straight line	6	
8	ACT-3	JEE (Adv.)	08-09-2021 (Sunday)	18-09-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Kinematics, N.M, Friction, WPE, Capacitance, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block (15 & 16 groups)	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis	Function, (IF, Probability, LCD, MOD, ADD, Matrices & Determinant, Binomial theorem, P & C, Straight line, Circle, Conic Section, FDM-I & FDM-II, Trigonometry, SOT.	6	
9	MCT-3 + BPT-1	JEE (Main) + Board	29-09-2021 (Sunday)	08-10-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, EM, AC, Modern Physics (upto Photoelectric effect) Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions BPT -1: Geometrical Optics, Electrostatics, Current electricity, Capacitance	MCT-3 : Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block (15 to 16 groups), Equivalent concept & titrations, Gaseous State (Ideal + Real) BPT -1 : Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, p-Block (15 to 19 groups)	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis	MCT: Relation, Function & (IF Probability, LCD, MOD, ADD, Matrix & Determinant, Straight line, Circle, Conic Section, Mathematical reasoning, Set, Statistics, Trigonometry, FDM-I & II, SOT, BPT: Types of Relation, Function, (IF, Probability, Continuity and Differentiability, MOD, ADD, Matrix and Determinant,	(3+3)	
10	ACT-4	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, EM, AC, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block (15 to 19 groups), Equivalent concept & titrations, Chemical Kinetics (upto 2nd order reaction), Chemical Equilibrium	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis	Function & (IF, Probability, LCD, MOD, ADD, Matrix & Determinant, vector & 3D, Straight line, Circle, Conic Section, Mathematical reasoning, Set, Statistics, Trigonometry, FDM-I & II, SOT.	6	
11	MCT-4 + BPT-2	JEE (Main) + Board	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, EM, AC, Modern Physics (upto Photoelectric effect) Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions BPT -2: EMF, EM, AC, MP-1	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion & Cation), p-Block (15 to 16 groups), Equivalent concept & titrations, Chemical Kinetics, Atomic Structure	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis	MCT: Relation, Function & (IF, Probability, LCD, MOD, ADD, Matrix & Determinant, Vector and 3-D, Indefinite integration, Set, Mathematical reasoning, Statistics, Binomial Theorem, P & C, Straight line, Circle, Conic Section, FDM-I & II, SOT, BPT: Types of Relation, Function, (IF, Probability, Continuity and Differentiability, MOD, ADD, Matrix and Determinant,	(3+3)	
12	ACT-5	JEE (Adv.)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, Newtons laws of motion, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid mechanics, Surface Tension, Elasticity & Viscosity, String wave, Sound wave, Geometrical Optics, Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EM, Alternating current, Modern Physics, Nuclear Physics.	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block Elements (15 to 16 groups), Chemical Bonding, Mole Concept	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis	Equation, Trigonometric Ratios and Equation, Sequence and Series, FDM-2, Binomial Theorem, P & C, Straight Line, Circle, Conic Section, Function and Inverse Trigonometric Function, Probability, LCD, MOD, ADD, Matrices and Determinant, Vector and 3-D	6	
13	APT-4	JEE (Adv.)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	EMF, EM, AC, MP-1, MP-2, Semiconductor (upto P-N junction), Fluid mechanics, Surface Tension, Elasticity & Viscosity, String wave, Sound wave, Wave Optics, Measurement error & Experiment, KTG & Thermodynamics, Calorimetry & Thermal expansion	Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block Elements (15 to 16 groups), Equivalent concept & titrations, Chemical Equilibrium, s-Block Elements	Reduction, Oxidation & Hydrolysis, ORM-I & II, Aromatic Compounds, Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	ADD, Matrices and Determinant, Vector and 3-D, Indefinite Integration	6	
14	BPT Matrix & 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-XI Full Syllabus	Full Syllabus	3	
17	M/MT	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3	
18	M/MT	JEE (Main)	05-01-2022 (Sunday)	15-01-2022 (Saturday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6	
19	A/OT	JEE (Adv.)	06-02-2022 (Sunday)	16-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3	
20	MT	JEE (Main)	09-01-2022 (Sunday)	19-02-2022 (Saturday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3	
21	A/OT	JEE (Main)	13-02-2022 (Sunday)	23-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3	

TOTAL TESTING HOURS

102

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