

COURSE PLANNER

CLASS-XII | VIJETA (O3JP)

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

Course Start: 05.04.2021 | Syllabus End: 09.12.2021

Target: JEE (Main+Advanced) 2022



TOTAL ACADEMIC HOURS

Course Duration: 35 Weeks

Total No. of Lectures: 503 (P: 154 | C: 195 | M: 154)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 755 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AOT): 75 hrs

Total Academic Hours in VIJETA Course: 830 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
				PHYSICAL/ INORGANIC							
1	Geometrical Optics	30	05-Apr-21	1	Solution & Colligative Properties	10	05-Apr-21	1	Relation, Functions & ITF	20	05-Apr-21
2	Electrostatics	24	17-May-21	2	Coordination compound	13	21-Apr-21	2	Probability	10	03-May-21
3	Gravitation	5	18-Jun-21	3	Solid State	10	17-May-21	3	Limits, Continuity & Derivability	15	17-May-21
4	Current Electricity	12	25-Jun-21	4	Electrochemistry	13	02-Jun-21	4	Method of Differentiation	4	08-Jun-21
5	Heat Transfer	5	13-Jul-21	5	Metallurgy	6	30-Jun-21	5	Rediscussion of Straight Line Sheet	1	14-Jun-21
6	Capacitance	10	20-Jul-21	6	Qualitative Analysis (anion)	6	13-Jul-21	6	Application of Derivatives	17	15-Jun-21
7	EMF	14	03-Aug-21	7	p-Block (N & O)	9	26-Jul-21	7	Rediscussion of circle Sheet	1	08-Jul-21
8	EMI	13	23-Aug-21	8	Equivalent concept & titrations	6	10-Aug-21	8	Matrices & Determinant	12	09-Jul-21
9	Alternating Current	5	15-Sep-21	9	Halogen & noble gas	5	23-Aug-21	9	Rediscussion of Conic Section Sheet	1	27-Jul-21
10	Measurement Error & Experiments	3	27-Sep-21	10	Chemical Kinetics	10	06-Sep-21	10	Vector & 3-D	19	28-Jul-21
11	Modern Physics-I	10	30-Sep-21	11	Surface chemistry	4	28-Sep-21	11	Rediscussion of Trigonometry Sheet	1	25-Aug-21
12	Nuclear Physics	6	20-Oct-21	12	Qualitative Analysis (Cation)	5	11-Oct-21	12	Indefinite Integration	10	30-Aug-21
13	Wave Optics	7	11-Nov-21	13	d&f-Block Element	4	20-Oct-21	13	Definite Integratin & Its App.	13	15-Sep-21
14	Semiconductor	6	24-Nov-21	14	s-Block	4	11-Nov-21	14	Rediscussion of Quadratic Equation Sheet	1	14-Oct-21
15	POC	2	06-Dec-21	15	p-Block (13-14 groups)	5	23-Nov-21	15	Differential Equation	8	16-Oct-21
16	EMW	2	08-Dec-21	ORGANIC				16	Linear Programming	2	13-Nov-21
				1	GOC-II	8	05-Apr-21	17	Binary Operation	1	16-Nov-21
				2	Stereoisomerism	14	21-Apr-21	18	Complex Number	12	17-Nov-21
				3	ORM-I	11	25-May-21	19	Revision	6	
				4	ORM-II	10	21-Jun-21				
				5	Reduction, Oxidation & Hydrolysis	8	14-Jul-21				
				6	ORM-III	6	03-Aug-21				
				7	ORM-IV	5	23-Aug-21				
				8	Handout	1	07-Sep-21				
				9	Aromatic Compound	6	13-Sep-21				
				10	Carbonyl Compopunds, Carboxylic Acid & Acid Derivatives	7	05-Oct-21				
				11	Biomolecules & Polymer	7	11-Nov-21				
				12	Chemistry in Everyday Life	1	06-Dec-21				
				13	Physical Properties, POC-II	1	07-Dec-21				
Total No. of Lectures		154		Total No. of Lectures		195		Total No. of Lectures		154	

DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 5 April, 2021	W-1	A
2	Monday, 5 July, 2021	W-14	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		
1	APT-1	JEE (Adv.)	25-04-2021 (Sunday)	05-05-2021 (Wednesday)	Geometrical Optics (Up to Prism) KG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Physical/ Inorganic	Organic	Relation, Functions (Except: IF & inverse function), Binomial Theorem, P & C	6
2	MCT-1	JEE (Main)	16-05-2021 (Sunday)	26-05-2021 (Wednesday)	Geometrical Optics, KG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination Compounds, Ionic Equilibrium, Thermodynamic & Thermochemistry	GOC-II, Stereoisomerism (upto Definition of optical activity, chirality, Polarimeter, Observed rotation, Specific rotation)	Relation, Functions (IF, Binomial Theorem, P & C, Statistics, Mathematical reasoning, Set theory)	3
3	ACT-1	JEE (Adv.)	06-06-2021 (Sunday)	16-06-2021 (Wednesday)	Geometrical Optics, Electrostatics (Up to Electric potential) KG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination Compounds, Solid State, Ionic Equilibrium, Thermodynamic & Thermochemistry	GOC-II, Stereoisomerism, ORM-I (upto Nucleophile)	Functions (IF, Probability, Binomial Theorem, P & C, Straight line, Circle)	6
4	APT-2	JEE (Adv.)	27-06-2021 (Sunday)	07-07-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation (up to Potential and G.P. Energy), Kinematics, N.M., Friction, WPE	Coordination Compounds, Solid State, Electrochemistry (upto Faraday's law of electrolysis), Chemical Bonding, Periodic Table, BN	Stereoisomerism, ORM-I	Probability, LOD, MOD, Straight line, Circle, Conic Section	6
5	MCT-2	JEE (Main)	18-07-2021 (Sunday)	28-07-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Kinematics, N.M., Friction, WPE	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Chemical Bonding, Periodic Table, BN	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis (upto Electrophilic addition reaction of alkene)	Relation, Function, IF, Probability, LOD, MOD, ADD, Set, Mathematical reasoning, Statistics, Binomial theorem, P & C, Straight line, Circle, Conic Section.	3
6	ACT-2	JEE (Adv.)	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Kinematics, N.M., Friction, WPE, 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, LOD, MOD, ADD, Binomial theorem, P & C, Straight line, Circle, Conic Section, Mathematical reasoning, Trigonometry, SOT.	6
7	MCT-3	JEE (Main)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, EMI, AC, Modern Physics (Up to Photoelectric effect) 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 16 groups), Equivalent concept & titrations, Chemical Equilibrium	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III	Relation, Function & IF, Probability, LOD, MOD, ADD, Matrix & Determinant, Straight line, Circle, Conic Section, Mathematical reasoning, Set, Statistics, Trigonometry, FOM-I & II, SOT	3
8	ACT-4	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, EMI, AC, Modern Physics (Up to Photoelectric effect) 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 18 groups), Equivalent concept & titrations, Chemical Kinetics (upto 2nd order reaction), Chemical Equilibrium	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III, ORM-IV	Function & IF, Probability, LOD, MOD, ADD, Matrix & Determinant, vector & 3D, Straight line, Circle, Conic Section, Mathematical reasoning, Set, Statistics, Trigonometry, FOM-I & II, SOT.	6
9	MCT-4	JEE (Main)	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, EMI, AC, Modern Physics (Up to Photoelectric effect) 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 & cation), p-Block (15 to 18 groups), Equivalent concept & titrations, Chemical Kinetics, Atomic Structure	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III, ORM-IV, Aromatic Compound	Relation, Function & IF, Probability, LOD, MOD, ADD, Matrix & Determinant, Vector and 3-D, Indefinite integration, Set, Mathematical reasoning, Statistics, FOM-I, FOM-II, Trigonometry, SOT, Quadratic Equation, Sequence and Series	3
10	ACT-5	JEE (Adv.)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, Newton's laws of motion, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid mechanics, Surface tension, Elasticity & Viscosity, Spring wave, Sound wave, Geometrical Optics, Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI, 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	IUPAC Nomenclature, Structural Isomerism & Structural Identification & POC, GOC-I & GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III, ORM-IV, Aromatic Compounds (upto Chem. reaction of aniline)	Equation, Trigonometric Ratio 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
11	APT-4	JEE (Adv.)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	EMF, EMI, AC, MP-1, MP-2, Semiconductor (Up to P-N Junction), Fluid mechanics, Surface tension, Elasticity & Viscosity, Spring wave, Sound wave, Wave Optics, Measurement error & Experiment, KG & Thermodynamics, Calorimetry & Thermal expansion	Electrochemistry, Metallurgy, Qualitative Analysis (Only anion, p-Block Elements (15 to 18 groups), Equivalent concept & titrations, Chemical Equilibrium, s-block Elements	Reduction, Oxidation & Hydrolysis, ORM-III, ORM-IV, Aromatic Compounds, Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	ADD, Matrices and Determinant, Vector and 3-D, Indefinite integration	6
12	M/MT	JEE (Main)	26-12-2021 (Sunday)	05-01-2022 (Wednesday)	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	3
13	M/MT	JEE (Main)	02-01-2022 (Monday)	12-01-2022 (Thursday)	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	3
14	M/MT	JEE (Main)	05-01-2022 (Wednesday)	12-01-2022 (Thursday)	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	3
15	A/OT	JEE (Adv.)	06-02-2022 (Sunday)	16-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
16	MT	JEE (Main)	09-01-2022 (Sunday)	19-02-2022 (Saturday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
17	A/OT	JEE (Main)	13-02-2022 (Sunday)	23-02-2022 (Wednesday)	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 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.