



# COURSE PLANNER

## CLASS-XII | VIJETA (05JP)

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

Course Start: 14.06.2021 | Syllabus End: 31.12.2021

Target: JEE (Main+Advanced) 2022

### TOTAL ACADEMIC HOURS

- ◆ Course Duration: 26 Weeks
- ◆ Total Number of Lectures: 475 (P:144 | C: 187 | M: 144)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 713 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 45 hrs
- ◆ Total Academic Hours in VIJETA Course: 758 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	14-Jun-21	PHYSICAL/ INORGANIC				1	Relation, Functions & ITF	19	14-Jun-21
2	Electrostatics	24	09-Jul-21	1	Solution & Colligative Properties	9	14-Jun-21	2	Probability	9	06-Jul-21
3	Gravitation	4	06-Aug-21	2	Coordination compound	13	29-Jun-21	3	Limits, Continuity & Derivability	15	16-Jul-21
4	Current Electricity	11	11-Aug-21	3	Solid State	10	21-Jul-21	4	Method of Differentiation	4	03-Aug-21
5	Heat Transfer	5	26-Aug-21	4	Electrochemistry	13	09-Aug-21	5	Rediscussion of Straight Line Sheet	1	07-Aug-21
6	Capacitance	10	02-Sep-21	5	Metallurgy	6	31-Aug-21	6	Application of Derivatives	15	09-Aug-21
7	EMF	14	16-Sep-21	6	Qualitative Analysis (anion)	6	14-Sep-21	7	Rediscussion of circle Sheet	1	30-Aug-21
8	EMI	11	06-Oct-21	7	p-Block (N & O)	9	28-Sep-21	8	Matrices & Determinant	11	31-Aug-21
9	Alternating Current	7	21-Oct-21	8	Equivalent concept & titrations	6	13-Oct-21	9	Rediscussion of Conic Section Sheet	1	15-Sep-21
10	Measurement Error & Experiments	3	11-Nov-21	9	Halogen & noble gas	4	25-Oct-21	10	Vector & 3-D	18	16-Sep-21
11	Modern Physics-I	10	17-Nov-21	10	Chemical Kinetics	9	11-Nov-21	11	Rediscussion of Trigonometry Sheet	1	13-Oct-21
12	Nuclear Physics	6	01-Dec-21	11	Surface chemistry	4	29-Nov-21	12	Indefinite Integration	7	14-Oct-21
13	Wave Optics	7	09-Dec-21	12	Qualitative Analysis (Cation)	5	06-Dec-21	13	Definite Integratin & Its App.	13	25-Oct-21
14	Semiconductor	6	20-Dec-21	13	d&f-Block Element	3	14-Dec-21	14	Rediscussion of Quadratic Equation Sheet	1	26-Nov-21
15	POC	2	28-Dec-21	14	s-Block	4	20-Dec-21	15	Differential Equation	7	29-Nov-21
16	EMW	2	30-Dec-21	15	p-Block (13-14 groups)	4	27-Dec-21	16	Linear Programming	2	08-Dec-21
				ORGANIC							
				1	GOC-II	8	14-Jun-21	17	Binary Operation	1	10-Dec-21
				2	Stereoisomerism	14	12-Jul-21	18	Complex Number	12	13-Dec-21
				3	ORM-I	12	18-Aug-21	19	Revision	6	
				4	ORM-II	11	08-Sep-21				
				5	Reduction, Oxidation & Hydrolysis	8	28-Sep-21				
				6	ORM-III	7	18-Oct-21				
				7	ORM-IV	4	11-Nov-21				
				8	Handout	1	22-Nov-21				
				9	Aromatic Compound	5	23-Nov-21				
				10	Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	6	06-Dec-21				
				11	Biomolecules & Polymer	4	20-Dec-21				
				12	Chemistry in Everyday Life	1	28-Dec-21				
				13	Physical Properties, POC-II	1	29-Dec-21				
<b>Total No. of Lectures</b>		<b>144</b>		<b>Total No. of Lectures</b>		<b>187</b>		<b>Total No. of Lectures</b>		<b>144</b>	

## DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 14 June, 2021	W-1	A
2	Monday, 18 October, 2021	W-19	B

# 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.)	11-07-2021 (Sunday)	21-07-2021 (Wednesday)	Geometrical Optics (upto Lens) KTG and thermodynamics, Calorimetry and thermal expansion, SHM, String wave and sound wave	Solution & Colligative Properties, Coordination Compounds (upto Nomenclature of Coordination Compounds), Ionic Equilibrium	GOC-II (upto Basic strength of organic compounds / nitrogenous base)	Relation, Functions (Domain, Range, OF, Fractional Part, Signum, De-moivre, identical, one-one, many one, into, onto, even and odd function only) Binomial Theorem, P & C	6
2	MCT-1	JEE (Main)	01-08-2021 (Sunday)	11-08-2021 (Wednesday)	Geometrical Optics, Electrostatics (upto potential energy), KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination Compounds, Solid State (upto Structure of crystalline solid & Seven primitive unit cell), Ionic Equilibrium, + Thermodynamic & Thermochemistry	GOC-II Stereoisomerism (upto Chiral molecule without chiral carbon)	Relation, Functions (IF Binomial Theorem, P & C, Statistics, Mathematical reasoning, Set theory, Probability, LCD (up to Limit and Continuity))	3
3	ACT-1	JEE (Adv.)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry (Faraday's law of electrolysis), Ionic Equilibrium, Thermodynamic & Thermochemistry	GOC-II Stereoisomerism, ORM-I (upto Nucleophile)	Functions (IF, Probability, Straight line, Circle, Sequence and Series, LCD, MOD, ADD (up to Rollis Theorem))	6
4	APT-2	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Electrostatics, Gravitation, Current electricity, Capacitance, Heat Transfer, Kinematics, NLM, Friction, WPE	Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Chemical Bonding, Periodic Table, BIN	GOC-II, Stereoisomerism, ORM-I & ORM-II (upto Directive influence & o/p ratio )	Relation, Function (IF, Probability, LCD, MOD, ADD, Matrices and Determinant, Conic Section, Quadratic Equation)	6
5	MCT-2	JEE (Main)	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat Transfer, Capacitance, EMF, Kinematics, NLM, Friction, WPE	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block Elements (N & O), (upto nitrogen family), Chemical Bonding, Periodic Table, BIN	GOC-II, Stereoisomerism, ORM-I & ORM-II (upto Metal hydrides reduction)	Relation, Function (IF, Probability, LCD, MOD, Matrices and Determinant, reasoning, Statistics, Binomial theorem, P & C, Straight line, Circle, Conic Section.	3
6	ACT-2	JEE (Adv.)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity, Heat Transfer, Capacitance, EMF, EM, AC, Kinematics, NLM, Friction, WPE	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-block elements (15 & 18 groups), Equivalent Concept, Chemical Bonding, Periodic Table, BIN	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III	Relation, Function, (IF, Probability, LCD, MOD, Matrices and Determinant, Vector and 3D, Indefinite integration, Definite integration (up to properties))	6
7	APT-3	JEE (Adv.)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	EMF, EM, AC, Modern Physics-I, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions	Qualitative Analysis (anion & Cation), p-Block(15 to 18 groups), Equivalent concept & titrations, Chemical Kinetics, Atomic Structure	ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III & ORM-IV, Preparation of Hydrocarbon	Vector and 3D, Indefinite integration, Definite integration, (Up to its Properties)	6
8	MIMT	JEE (Main)	26-12-2021 (Sunday)	05-01-2022 (Wednesday)		XI Syllabus	XI Syllabus	XI Syllabus	3
9	MIMT	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)		XII Syllabus	XII Syllabus	XII Syllabus	3
10	MIMT	JEE (Main)	05-01-2022 (Sunday)	15-01-2022 (Wednesday)		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 PTs/ CTs (except EPTs).  
3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.

**TOTAL TESTING HOURS**

**45**