



COURSE PLANNER

CLASS-XI | VIKAAS (02JA)

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

Course Start: 03.05.2021 | Syllabus End: 01.01.2022

Target: JEE (Main+Advanced) 2023

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 35 Weeks
- ◆ Total Number of Lectures: 482 (P: 161 | C: 175 | M: 146)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 723 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 66 hrs
- ◆ Total Academic Hours in VIKAAS Course: 789 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	24	03-May-21	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics-I	15	03-May-21			
2	Rectilinear Motion	17	07-Jun-21	1	Introduction to Chemistry	5	03-May-21	2	Quadratic Equation	12	27-May-21			
3	Projectile Motion	8	30-Jun-21	2	Atomic Structure	16	12-May-21	3	Trigonometry	15	14-Jun-21			
4	Relative Motion	5	12-Jul-21	3	Mole Concept	11	09-Jun-21	4	Sequence & Series	11	05-Jul-21			
5	NLM	10	17-Jul-21	4	Gaseous State-1	8	30-Jun-21	5	Mathematical Reasoning	4	20-Jul-21			
6	Friction	5	29-Jul-21	5	Gaseous State-2	4	15-Jul-21	6	Fundamentals of Mathematics-II	7	26-Jul-21			
7	Work, Power & Energy	9	04-Aug-21	6	Chemical Equilibrium	8	22-Jul-21	7	Binomial Theorem	13	04-Aug-21			
8	Circular Motion	7	14-Aug-21	7	Thermodynamics & Thermochem.	14	05-Aug-21	8	Permutation & Combination	12	30-Aug-21			
9	Centre of Mass	10	23-Aug-21	8	s-Block	5	07-Sep-21	9	Straight Line	12	20-Sep-21			
10	Rigid Body Dynamics	14	06-Sep-21	9	p-Block (13-14 groups)	6	27-Sep-21	10	Solution of Triangle	7	12-Oct-21			
11	Simple Harmonic Motion	9	24-Sep-21	10	Ionic Equilibrium (Elementary)	10	18-Oct-21	11	Statistics	1	25-Oct-21			
12	Fluids	5	11-Oct-21	11	Ionic Equilibrium (Advanced)	10	29-Nov-21	12	Statistics	3	26-Oct-21			
13	Surface Tension	2	18-Oct-21	ORGANIC				13	Circle	12	11-Nov-21			
14	Elasticity and viscosity	3	20-Oct-21	1	IUPAC Nomenclature	10	03-May-21	14	Conic Section	18	01-Dec-21			
15	String waves	9	23-Oct-21	2	Structural Isomerism	3	07-Jun-21	15	Revision	4				
16	Unit & Dimension	1	13-Nov-21	3	IUPAC Nomenclat. & Struc. Isomerism	1	15-Jun-21							
17	Sound Waves	8	15-Nov-21	4	Structural identification & POC-I	11	21-Jun-21							
18	KTG & Thermodynamics	8	29-Nov-21	5	Periodic Table	7	27-Jul-21							
19	Calorimetry & Thermal Expansion	4	15-Dec-21	6	BIN	3	23-Aug-21							
20	Measurement & Error	3	27-Dec-21	7	Chemical Bonding-1	5	30-Aug-21							
				8	Chemical Bonding-2	8	08-Sep-21							
				9	Chemical Bonding-3	4	28-Sep-21							
				10	Chemical Bonding-4	3	11-Oct-21							
				11	Chemical Bonding-4 + 5	1	18-Oct-21							
				12	Chemical Bonding-5	2	19-Oct-21							
				13	GOC-I	8	25-Oct-21							
				14	GOC-II	10	29-Nov-21							
				15	Environmental Chemistry	2	28-Dec-21							
Total No. of Lectures				161	Total No. of Lectures				175	Total No. of Lectures				146

DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 3 May, 2021	W-1	A
2	Monday, 19 July, 2021	W-12	B
3	Monday, 18 October, 2021	W-25	C

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.)	30-05-2021 (Sunday)	09-06-2021 (Wednesday)	Function, Trigonometry, Differentiation, Maxima & Minima, Integration & Vector up Addition of Vector.	Introduction to Chemistry, Atomic Structure (upto Bohr's Atomic Model)	IUPAC Nomenclature of Alkenes, alkynes, Cycloalkene and polycare	FOM-1 (upto Logarithmic Inequalities)	6
2	MCT-1	JEE (Main)	20-06-2021 (Sunday)	30-06-2021 (Wednesday)	Mathematical tools & Rectilinear motion (up to average speed & velocity).	Atomic structure (upto quantum number).	IUPAC Nomenclature & Structural Isomerism (upto Isomer counting of Hydrocarbon, Isomer counting of Hetero atom (N, O, S & X) containing compounds)	FOM-1, Quadratic Equation	3
3	ACT-1	JEE (Adv.)	11-07-2021 (Sunday)	21-07-2021 (Wednesday)	Mathematical tool, Rectilinear Motion & Projectile motion (up to projectile from A tower).	Introduction to Chemistry, Atomic Structure, Mole concept (upto redox balancing).	IUPAC Nomenclature & Structural Isomerism, Structural Identification, & POC-1 (upto Lab test of acidic hydrogen and alkene & alkyne)	FOM-1, Quadratic Equation, Trigonometry	6
4	ACT-2	JEE (Adv.)	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Mathematical tools, Kinematics, NLM, Friction, WPE	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium	IUPAC Nomenclature, Structural Identification & POC-1, Periodic Table (upto Effective Nuclear Charge (Z effective))	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2	6
5	APT-3	JEE (Adv.)	05-09-2021 (Sunday)	15-09-2021 (Wednesday)	NLM, Friction, WPE, Circular motion, Centre of mass complete	Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry (upto 2nd Law)	POC-1, Periodic Table, BIN	Sequence and Series, FOM-2, Binomial Theorem	6
6	MCT-3	JEE (Main)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Mathematical tools, Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD upto angular momentum conservation about fixed axis	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-1, Periodic Table, BIN, Chemical Bonding-1	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, Mathematical reasoning, FOM-2, Binomial Theorem, P&C	3
7	ACT-3	JEE (Adv.)	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD, SHM complete	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry, s-block elements	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-1, Periodic Table, BIN, Chemical Bonding-1 to 3 (upto Electron deficient bonding & Beck bonding)	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight line	6
8	APT-4	JEE (Adv.)	31-10-2021 (Sunday)	10-11-2021 (Wednesday)	Centre of mass, RBD, SHM, Fluids, Elasticity viscosity, Surface tension, Spring wave upto wave superposition	Thermodynamic & Thermochemistry, s-block elements, p-block elements (13 & 14 groups)	Chemical Bonding	Permutation & Combination, Straight Line, SOT	6
9	MCT-4	JEE (Main)	21-11-2021 (Sunday)	01-12-2021 (Wednesday)	Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD, SHM Fluids, Elasticity viscosity, Surface tension, Spring wave complete	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry, s-block elements, p-block elements (13 & 14 groups), Ionic Equilibrium (Elementary) (upto Salt hydrolysis)	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-1, Periodic Table, BIN, Chemical Bonding, GOC-I (upto Stability of Resonating structure)	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2, Binomial Theorem, Permutation & Combination, Straight Line, Mathematical Reasoning, SOT, Statistics, Circle (upto Line and a circle, Equation of chord joining two points on circle)	3
10	ACT-4	JEE (Adv.)	12-12-2021 (Sunday)	22-12-2021 (Wednesday)	Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD, SHM Fluids, Elasticity viscosity, Surface tension, Spring wave, sound wave, KT&G and thermodynamics upto KTG	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry, s-block elements, p-block elements (13 & 14 groups), Ionic Equilibrium (Elementary)	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-1, Periodic Table, BIN, Chemical Bonding, GOC-I, GOC-II (upto Carbocation and its stability)	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Mathematical Reasoning, SOT, Circle,	6
11	MT (Main)	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	MT (Adv.)	JEE (Adv.)	09-01-2022 (Sunday)	19-01-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
13	AJOT (Adv.)	JEE (Adv.)	30-01-2022 (Sunday)	02-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
TOTAL TESTING HOURS									66

Note: 1. Students are advised to refer their notice board for test timings.

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