



COURSE PLANNER

CLASS-XI | VIKAAS (00JA)

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

Course Start: 21.12.2020 | Syllabus End: 01.01.2022

Target: JEE (Main+Advanced) 2023

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 54 Weeks
- ◆ Total Number of Lectures: 533 (P: 171 | C: 202 | M: 160)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 800 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 75 hrs
- ◆ Total Academic Hours in VIKAAS Course: 875 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	29	21-Dec-20	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics-I	21	21-Dec-20			
2	Rectilinear Motion	14	24-Feb-21	1	Introduction to Chemistry	15	21-Dec-20	2	Quadratic Equation	20	08-Feb-21			
3	Projectile Motion	7	21-Apr-21	2	Atomic Structure	26	25-Jan-21	3	Trigonometry	15	10-May-21			
4	Relative Motion	8	10-May-21	3	Mole Concept	13	19-Apr-21	4	Sequence & Series	10	15-Jun-21			
5	NLM	12	26-May-21	4	Gaseous State-1	8	01-Jun-21	5	Mathematical Reasoning	4	07-Jul-21			
6	Friction	7	23-Jun-21	5	Gaseous State-2	4	29-Jun-21	6	Fundamentals of Mathematics-II	7	19-Jul-21			
7	Work, Power & Energy	10	12-Jul-21	6	Chemical Equilibrium	9	12-Jul-21	7	Binomial Theorem	10	03-Aug-21			
8	Circular Motion	8	03-Aug-21	7	Thermodynamics & Thermochem.	14	02-Aug-21	8	Revision	2	25-Aug-21			
9	Centre of Mass	10	23-Aug-21	8	s-Block	5	07-Sep-21	9	Permutation & Combination	12	30-Aug-21			
10	Rigid Body Dynamics	14	06-Sep-21	9	p-Block (13-14 groups)	6	27-Sep-21	10	Straight Line	12	20-Sep-21			
11	Simple Harmonic Motion	9	24-Sep-21	10	Ionic Equilibrium (Elementary)	10	18-Oct-21	11	Solution of Triangle	7	12-Oct-21			
12	Fluids	5	11-Oct-21	11	Ionic Equilibrium (Advanced)	10	29-Nov-21	12	Statistics	1	25-Oct-21			
13	Surface Tension	2	18-Oct-21	ORGANIC				13	Statistics	3	26-Oct-21			
14	Elasticity and viscosity	3	20-Oct-21	1	IUPAC Nomenclature	11	19-Apr-21	14	Circle	12	11-Nov-21			
15	String waves	9	23-Oct-21	2	Structural Isomerism	4	25-May-21	15	Conic Section	18	01-Dec-21			
16	Unit & Dimension	1	13-Nov-21	3	Structural identification	5	08-Jun-21	16	Revision	6				
17	Sound Waves	8	15-Nov-21	4	POC-I	8	28-Jun-21							
18	KTG & Thermodynamics	8	29-Nov-21	5	Periodic Table	8	26-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				171	Total No. of Lectures				202	Total No. of Lectures				160

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

DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 21 December, 2020	W-1	A
2	Monday, 8 March, 2021	W-12	B
3	Monday, 7 June, 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			
						Physical/ Inorganic	Organic		Mathematics
1	APT-1	JEE (Adv.)	21-02-2021 (Sunday)	03-03-2021 (Wednesday)	Mathematical tools (up to vectors Addition and Resolution)	Mole Concept, Atomic Structure (upto Rutherford Model)	-	FOM-1 (upto log Equation)	6
2	MCT-1	JEE (Main)	07-03-2021 (Sunday)	17-03-2021 (Wednesday)	Mathematical Tools and Rectilinear Motion (Till taught)	Mole Concept, Complete, Oxidation Reduction Balancing Redox reaction, Atomic Structure (till taught)	-	FOM-1, Quadratic Equation (upto Nature of Roots)	3
3	ACT-1	JEE (Adv.)	21-03-2021 (Sunday)	31-03-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion	Mole Concept & Atomic Structure	-	FOM-1, Quadratic Equation	6
4	APT-2	JEE (Adv.)	27-06-2021 (Sunday)	07-07-2021 (Wednesday)	Vectors, Rectilinear motion, Projectile motion, Relative motion, NLM	Atomic Structure, Gaseous State (upto Graham's law of diffusion & effusion)	IUPAC Nomenclature, Structural Isomerism, Structural Identification.	Quadratic Equation, Trigonometry	6
5	MCT-2	JEE (Main)	18-07-2021 (Sunday)	28-07-2021 (Wednesday)	Mathematical tools, Kinematics, NLM, Friction	Introduction to chemistry, Atomic Structure, Mole Concept, Mole Concept, Gaseous State (Ideal & Real)	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-1 (Upto Lab test of amine, acid, ester and amide)	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series	3
6	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 Isomerism, Structural Identification & POC-1, Periodic Table (upto Effective Nuclear Charge (Z effective))	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2	6
7	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
8	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, PSC	3
9	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 & Back bonding)	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight line	6
10	APT-4	JEE (Adv.)	31-10-2021 (Sunday)	10-11-2021 (Wednesday)	Centre of mass, RBD, SHM, Fluids, Elasticity viscosity, Surface tension, String wave upto wave superposition	Thermodynamic & Thermochemistry, s-block elements, p-block elements (13 & 14 groups)	Chemical Bonding	Permutation & Combination, Straight Line, SOT	6
11	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, String 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-1 (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
12	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, String wave, sound wave, KTG 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-1, GOC-II (upto Carocation and its stability)	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Mathematical Reasoning, SOT, Circle,	6
13	MT (Main)	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
14	MT (Adv.)	JEE (Adv.)	09-01-2022 (Sunday)	19-01-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
15	AJOT (Adv.)	JEE (Adv.)	30-01-2022 (Sunday)	02-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
								TOTAL TESTING HOURS	75

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.