

COURSE PLANNER

CLASS-XI | VIKAAS (09JA)

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

Course Start: 05.07.2021 | Syllabus End: 05.02.2022

Target: JEE (Main+Advanced) 2023



TOTAL ACADEMIC HOURS

Course Duration: 31 Weeks

Total No. of Lectures: 458 (P: 142 | C: 173 | M: 143)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 687 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AOT): 54 hrs

Total Academic Hours in VIKAAS Course: 741 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	13	05-Jul-21	PHYSICAL/ INORGANIC			1	Fundamentals of Mathematics-I	16	05-Jul-21	
2	Rectilinear Motion	7	22-Jul-21	1	Introduction to Chemistry	5	05-Jul-21	2	Quadratic Equation	12	26-Jul-21
3	Projectile Motion	8	30-Jul-21	2	Atomic Structure	14	14-Jul-21	3	Trigonometry	15	09-Aug-21
4	Relative Motion	6	09-Aug-21	3	Mole Concept	11	23-Aug-21	4	Sequence & Series	10	02-Sep-21
5	NLM	10	18-Aug-21	4	Gaseous State-1	9	14-Sep-21	5	Mathematical Reasoning	4	16-Sep-21
6	Friction	5	03-Sep-21	5	Gaseous State-2	5	29-Sep-21	6	Fundamentals of Mathematics-II	7	22-Sep-21
7	Work, Power & Energy	9	10-Sep-21	6	Chemical Equilibrium	9	07-Oct-21	7	Binomial Theorem	10	01-Oct-21
8	Circular Motion	7	23-Sep-21	7	Thermodynamics & Thermochem.	15	25-Oct-21	8	Permutation & Combination	11	15-Oct-21
9	Centre of Mass	10	04-Oct-21	8	s-Block	5	30-Nov-21	9	Straight Line	13	11-Nov-21
10	Rigid Body Dynamics	14	18-Oct-21	9	p-Block (13-14 groups)	6	08-Dec-21	10	Solution of Triangle	7	29-Nov-21
11	Simple Harmonic Motion	8	17-Nov-21	10	Ionic Equilibrium (Elementary)	10	20-Dec-21	11	Statistics	4	08-Dec-21
12	Fluids	5	29-Nov-21	11	Ionic Equilibrium (Advanced)	6	05-Jan-22	12	Circle	12	14-Dec-21
13	Surface Tension	2	06-Dec-21	ORGANIC			1	IUPAC Nomenclature	10	05-Jul-21	
14	Elasticity and viscosity	3	08-Dec-21	1	IUPAC Nomenclature	10	05-Jul-21	2	Structural Isomerism	5	27-Jul-21
15	String waves	9	13-Dec-21	2	Structural Isomerism	5	27-Jul-21	3	Structural identification	4	09-Aug-21
16	Sound Waves	8	24-Dec-21	3	Structural identification	4	09-Aug-21	4	POC-I	6	23-Aug-21
17	KTG & Thermodynamics	9	05-Jan-22	4	POC-I	6	23-Aug-21	5	Periodic Table	7	07-Sep-21
18	Calorimetry & Thermal Expansion	4	18-Jan-22	5	Periodic Table	7	07-Sep-21	6	BIN	3	22-Sep-21
19	Measurement & Error	3	24-Jan-22	6	BIN	3	22-Sep-21	7	Chemical Bonding	24	29-Sep-21
20	Unit & Dimension	2	27-Jan-22	7	Chemical Bonding	24	29-Sep-21	8	GOC-I	8	07-Dec-21
				8	GOC-I	8	07-Dec-21	9	GOC-II	9	27-Dec-21
				9	GOC-II	9	27-Dec-21	10	Environmental Chemistry	2	24-Jan-22
				10	Environmental Chemistry	2	24-Jan-22				
Total No. of Lectures		142	Total No. of Lectures		173	Total No. of Lectures		143			

DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 5 July, 2021	W-1	A
2	Monday, 20 September, 2021	W-12	B
3	Monday, 22 November, 2021	W-21	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	PRACTICE TEST	JEE (Main)	25-07-2021 (Sunday)	04-08-2021 (Wednesday)	Mathematical Tools	Introduction to Chemistry, Atomic Structure (upto Planck's Quantum Theory, Black Body Radiation)	IUPAC Nomenclature of Alkenes, alkynes, Cycloalkene and polyene	FOM-I (Logarithm equation)	3
2	MCT-1	JEE (Main)	08-09-2021 (Sunday)	18-08-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion.	Introduction to Chemistry, Atomic Structure (upto De Broglie's + Heisenberg)	IUPAC Nomenclature & Isomer counting of Hydrocarbon, Isomer counting of Hetero atom (N,O,S & X) containing compounds	IUPAC Nomenclature & Isomer counting of Hydrocarbon, Isomer counting of Hetero atom (N,O,S & X) containing compounds	3
3	ACT-1	JEE (Adv.)	29-06-2021 (Sunday)	08-09-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, NLM (Upto tension, Normal force, System EB.D.)	Introduction to Chemistry, Atomic Structure	IUPAC Nomenclature & Structural Isomerism & Structural identification	FOM-I, Quadratic Equation, Trigonometry (Sum of sine and Cosine)	6
4	APT-2	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Rectilinear motion, Projectile Motion, NLM, Friction, WPE (upto Work done By variable forces, area under the graph)	Atomic Structure, Mole Concept	IUPAC Nomenclature & Structural Isomerism & Structural identification, POC-I, Periodic table (upto Effective Nuclear Charge Z effective)	FOM-I, Quadratic Equation, Trigonometry, Sequence and Series	6
5	MCT-2	JEE (Main)	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass (upto Calculation of centre of mass)	Introduction to chemistry, Atomic Structure, Mole Concept, Mole Concept, Gaseous State (Ideal Gases)	IUPAC Nomenclature & Structural Isomerism & Structural identification, POC-I, Periodic table, BIN	FOM-I, Quadratic Equation, Trigonometry, Sequence and Series, Mathematical Reasoning, FOM-II	3
6	ACT-2	JEE (Adv.)	31-10-2021 (Sunday)	10-11-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD (Upto equilibrium)	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real Gases), Chemical Equilibrium	IUPAC Nomenclature & Structural Isomerism & Structural identification, POC-I, Periodic table, BIN, Chemical Bonding-1 & 2 (upto Multicentered species)	FOM-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial Theorem, Permutation and Combination (Up to Formation of group)	6
7	APT-3	JEE (Adv.)	21-11-2021 (Sunday)	01-12-2021 (Wednesday)	WPE, Circular Motion, Centre of Mass, RBD complete	Gaseous State (Ideal & Real Gases), Chemical Equilibrium, Thermodynamic & Thermochemistry (upto 1st Law)	Periodic Table, BIN, Chemical Bonding-1 & 2	Binomial Theorem, Permutation and Combination, Straight Line (up to locus)	6
8	MCT-3	JEE (Main)	12-12-2021 (Sunday)	22-12-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid, Elasticity & Viscosity, String wave	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real Gases), Chemical Equilibrium, Thermodynamic & Thermochemistry, s-block elements	IUPAC Nomenclature & Structural Isomerism & Structural identification, POC-I, Periodic table, BIN, Chemical Bonding	FOM-I, Quadratic Equation, Trigonometry, Sequence and Series, Mathematical Reasoning, FOM-I, Binomial Theorem, Permutation and Combination, Straight Line, Solution of Triangle	3
9	ACT-3	JEE (Adv.)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid, Surface Tension, Elasticity & Viscosity, String wave	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real Gases), Chemical Equilibrium, Thermodynamic & Thermochemistry, s-block elements, p-block elements (13 & 14 groups), ionic Equilibrium (Elementary) (upto pH Calculation of WA, WB (Ostwald's dilution law))	IUPAC Nomenclature & Structural Isomerism & Structural identification, POC-I, Periodic table, BIN, Chemical Bonding, GOC-I	FOM-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial Theorem, Permutation and Combination, Straight Line, Solution of Triangle, Circle	6
10	AJOT	JEE (Adv.)	30-01-2022 (Sunday)	09-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
11	MT	JEE (Adv.)	06-02-2022 (Sunday)	09-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
TOTAL TESTING HOURS								54	

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.