

COURSE PLANNER

CLASS-XI | VIKAAS (10JA / 11JA)

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

Course Start: 12.07.2021 | Syllabus End: 29.01.2022

Target: JEE (Main+Advanced) 2023



TOTAL ACADEMIC HOURS

Course Duration: 29 Weeks

Total No. of Lectures: 456 (P: 143 | C: 170 | M: 143)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 684 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 51 hrs

Total Academic Hours in VIKAAS Course: 735 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	12	12-Jul-21	PHYSICAL/ INORGANIC			1	Fundamentals of Mathematics-I	16	12-Jul-21	
2	Rectilinear Motion	7	26-Jul-21	1	Introduction to Chemistry	4	12-Jul-21	2	Quadratic Equation	12	30-Jul-21
3	Projectile Motion	7	03-Aug-21	2	Atomic Structure	14	20-Jul-21	3	Trigonometry	15	20-Aug-21
4	Relative Motion	7	18-Aug-21	3	Mole Concept	10	25-Aug-21	4	Sequence & Series	10	07-Sep-21
5	NLM	12	26-Aug-21	4	Gaseous State-1	9	20-Sep-21	5	Mathematical Reasoning	3	18-Sep-21
6	Friction	5	09-Sep-21	5	Gaseous State-2	5	06-Oct-21	6	Fundamentals of Mathematics-II	8	22-Sep-21
7	Work, Power & Energy	9	15-Sep-21	6	Chemical Equilibrium	9	14-Oct-21	7	Binomial Theorem	9	01-Oct-21
8	Circular Motion	7	25-Sep-21	7	Thermodynamics & Thermochem.	15	11-Nov-21	8	Permutation & Combination	12	14-Oct-21
9	Centre of Mass	10	05-Oct-21	8	s-Block	5	07-Dec-21	9	Straight Line	12	11-Nov-21
10	Rigid Body Dynamics	14	19-Oct-21	9	p-Block (13-14 groups)	6	15-Dec-21	10	Solution of Triangle	6	26-Nov-21
11	Simple Harmonic Motion	8	17-Nov-21	10	Ionic Equilibrium (Elementary)	10	27-Dec-21	11	Statistics	4	06-Dec-21
12	Fluids	5	29-Nov-21	11	Ionic Equilibrium (Advanced)	6	12-Jan-22	12	Circle	12	10-Dec-21
13	Surface Tension	2	06-Dec-21	ORGANIC			13	Conic Section	24	28-Dec-21	
14	Elasticity and viscosity	3	08-Dec-21	1	IUPAC Nomenclature	10	12-Jul-21				
15	String waves	9	13-Dec-21	2	Structural Isomerism	4	03-Aug-21				
16	Sound Waves	8	24-Dec-21	3	Structural identification	4	17-Aug-21				
17	KTG & Thermodynamics	9	05-Jan-22	4	POC-I	6	25-Aug-21				
18	Calorimetry & Thermal Expansion	4	18-Jan-22	5	Periodic Table	7	08-Sep-21				
19	Measurement & Error	3	24-Jan-22	6	BIN	3	27-Sep-21				
20	Unit & Dimension	2	27-Jan-22	7	Chemical Bonding	24	04-Oct-21				
				8	GOC-I	8	15-Dec-21				
				9	GOC-II	9	04-Jan-22				
				10	Environmental Chemistry	2	25-Jan-22				
Total No. of Lectures		143		Total No. of Lectures		170		Total No. of Lectures		143	

DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 12 July, 2021	W-1	A
2	Monday, 27 September, 2021	W-12	B
3	Monday, 29 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		
1	APT-1	JEE (Adv.)	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Mathematical Tools	Introduction to Chemistry, Atomic Structure (upto Bohr's Atomic Model)	IUPAC-Nomenclature of chain terminating Functional groups (Esters & Alkylhalide)	Form-1, Quadratic Equation Upto Nature Of Roots	6
2	ACT-1	JEE (Adv.)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, NLM (Upto Tension, Normal force, System F.B.D.)	Introduction to Chemistry, Atomic Structure	IUPAC Nomenclature & Structural Isomerism & Structural identification	FORM-I, Quadratic Equation, Trigonometry (Sum of sine and Cosine)	6
3	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))	FORM-I, Quadratic Equation, Trigonometry, Sequence and Series	6
4	MCT-1	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	FORM-I, Quadratic Equation, Trigonometry, Sequence and Series, Mathematical Reasoning, FORM-II	3
5	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 Multicentred species)	FORM-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial Theorem, Permutation and Combination (Up to Formation of group)	6
6	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
7	MCT-2	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.	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	FORM-I, Quadratic Equation, Trigonometry, Sequence and Series, Mathematical Reasoning, FORM-II, Binomial Theorem, Permutation and Combination, Straight Line, Solution of Triangle	3
8	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	FORM-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial Theorem, Permutation and Combination, Straight Line, Solution of Triangle, Circle	6
9	AJOT	JEE (Adv.)	30-01-2022 (Sunday)	09-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
10	MT	JEE (Main)	06-02-2022 (Sunday)	09-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
TOTAL TESTING HOURS									51

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.