

COURSE PLANNER

CLASS-XI | VIKAAS (05JA)

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

Course Start: 07.06.2021 | Syllabus End: 01.01.2022

Target: JEE (Main+Advanced) 2023



TOTAL ACADEMIC HOURS

Course Duration: 30 Weeks

Total No. of Lectures: 465 (P: 148 | C: 174 | M: 143)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 698 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AOT): 57 hrs

Total Academic Hours in VIKAAS Course: 755 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	25	07-Jun-21	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics-I	15	07-Jun-21
2	Rectilinear Motion	6	12-Jul-21	1	Introduction to Chemistry	4	07-Jun-21	2	Quadratic Equation	13	28-Jun-21
3	Projectile Motion	6	19-Jul-21	2	Atomic Structure	15	15-Jun-21	3	Trigonometry	15	15-Jul-21
4	Relative Motion	6	26-Jul-21	3	Mole Concept	9	19-Jul-21	4	Sequence & Series	10	05-Aug-21
5	NLM	10	02-Aug-21	4	Gaseous State-1	8	03-Aug-21	5	Mathematical Reasoning	4	19-Aug-21
6	Friction	5	13-Aug-21	5	Gaseous State-2	5	17-Aug-21	6	Fundamentals of Mathematics-II	8	25-Aug-21
7	Work, Power & Energy	9	19-Aug-21	6	Chemical Equilibrium	10	25-Aug-21	7	Binomial Theorem	9	06-Sep-21
8	Circular Motion	6	30-Aug-21	7	Thermodynamics & Thermochem.	15	14-Sep-21	8	Permutation & Combination	12	17-Sep-21
9	Centre of Mass	10	06-Sep-21	8	s-Block	5	19-Oct-21	9	Straight Line	12	05-Oct-21
10	Rigid Body Dynamics	14	22-Sep-21	9	p-Block (13-14 groups)	6	11-Nov-21	10	Solution of Triangle	7	21-Oct-21
11	Simple Harmonic Motion	8	13-Oct-21	10	Ionic Equilibrium (Elementary)	10	22-Nov-21	11	Statistics	4	11-Nov-21
12	Fluids	5	25-Oct-21	11	Ionic Equilibrium (Advanced)	8	08-Dec-21	12	Circle	12	16-Nov-21
13	Surface Tension	2	11-Nov-21	ORGANIC				13	Conic Section	22	02-Dec-21
14	Elasticity and viscosity	3	13-Nov-21	1	IUPAC Nomenclature	10	07-Jun-21				
15	String waves	9	17-Nov-21	2	Structural Isomerism	4	12-Jul-21				
16	Unit & Dimension	1	30-Nov-21	3	Structural identification	4	21-Jul-21				
17	Sound Waves	8	01-Dec-21	4	POC-I	7	02-Aug-21				
18	KTG & Thermodynamics	8	13-Dec-21	5	Periodic Table	8	17-Aug-21				
19	Calorimetry & Thermal Expansion	4	23-Dec-21	6	BIN	3	06-Sep-21				
20	Measurement & Error	3	29-Dec-21	7	Chemical Bonding-1	5	13-Sep-21				
				8	Chemical Bonding-2	8	22-Sep-21				
				9	Chemical Bonding-3	4	12-Oct-21				
				10	Chemical Bonding-4	4	20-Oct-21				
				11	Chemical Bonding-5	3	11-Nov-21				
				12	GOC-I	8	17-Nov-21				
				13	GOC-II	9	07-Dec-21				
				14	Environmental Chemistry	2	28-Dec-21				
Total No. of Lectures		148		Total No. of Lectures		174		Total No. of Lectures		143	

DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 7 June, 2021	W-1	A
2	Monday, 23 August, 2021	W-12	B
3	Monday, 22 November, 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			Mathematics	Testing Hours
					Physics	Chemistry			
						Physical/ Inorganic	Organic		
1	Practice Test	JEE (Main)	27-06-2021 (Sunday)	07-06-2021 (Wednesday)	Mathematical Tools	Introduction to Chemistry, Atomic structure (upto Photoelectric effect)	IUPAC Nomenclature of hydrocarbons	FDM - I	3
2	APT-1	JEE (Adv.)	11-07-2021 (Sunday)	21-07-2021 (Wednesday)	Mathematical Tools	Introduction to Chemistry, Atomic Structure (upto electromagnetic radiation).	IUPAC Nomenclature of chain terminating functional groups (Aldehyde & Carboxylic acids, Amides, Oxy halide & Nitriles)	FDM - I	6
3	ACT-1	JEE (Adv.)	01-06-2021 (Sunday)	11-08-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative (upto 1D)	Introduction to Chemistry, Atomic Structure, Mole Concept (upto Balancing redox reactions)	IUPAC Nomenclature & Structural Isomerism	FDM-I, Quadratic Equation	6
4	MCT-1	JEE (Main)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative Motion, NLM, Friction, WPE (upto Work energy theory)	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real Gases)	IUPAC Nomenclature, Structural Isomerism & Structural identification & POC-I, Periodic table (upto Atomic & Ionic Radius & Lanthanoid contraction)	FDM-I, Quadratic Equation, Sequence and Series	3
5	ACT-2	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Mathematical tools, Rectilinear motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass (upto spring block problems)	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	FDM-I, Quadratic Equation, Trigonometry, Sequence and Series, FDM-II	3
6	ACT-3	JEE (Adv.)	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Mathematical tools, Rectilinear motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD (Upto fixed axis angular momentum conservation)	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real Gases), Chemical Equilibrium, Thermodynamics & Thermochemistry (upto 1st Law)	IUPAC Nomenclature, Structural Isomerism & Structural identification & POC-I, Periodic Table, BIN, Chemical Bonding-1 & 2 (upto Hybridization)	FDM-I, Quadratic Equation, Trigonometry, Sequence and Series, FDM-II, Binomial Theorem, Permutation and Combination	6
7	APT-3	JEE (Adv.)	31-10-2021 (Sunday)	10-11-2021 (Wednesday)	NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM	Gaseous State (Ideal & Real Gases), Chemical Equilibrium, Thermodynamics & Thermochemistry, s-block elements (upto Solubility in liq NH ₃ + Chemical Reactions, Important compounds of S-block (NaOH and its reactions))	POC-I, Periodic Table, BIN, Chemical Bonding-1 to 3	Sequence and Series, FDM-II, Binomial Theorem, Permutation and Combination, Straight Line	6
8	MCT-3	JEE (Main)	21-11-2021 (Sunday)	01-12-2021 (Wednesday)	Mathematical tools, Rectilinear motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluids, Surface Tension, Elasticity & Viscosity	Gaseous State (Ideal & Real Gases), Chemical Equilibrium, Thermodynamics & Thermochemistry, s-block elements, p-block elements (upto 13 groups)	IUPAC Nomenclature, Structural Isomerism & Structural identification & POC-I, Periodic Table, BIN, Chemical Bonding-1 to 4	FDM-I, Quadratic Equation, Trigonometry, Sequence and Series, Mathematical Reasoning, FDM-II, Binomial Theorem, Permutation and Combination, Straight Line, SOT, Statistics	6
9	ACT-4	JEE (Adv.)	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, Fluids, Surface Tension, Elasticity & Viscosity, String wave, Sound wave (Upto interference, Reflection and Refraction)	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-I, Periodic Table, BIN, Chemical Bonding, GOC-I	FDM-I, Quadratic Equation, Trigonometry, Sequence and Series, FDM-II, Binomial Theorem, Permutation and Combination, Straight Line, SOT, Circle	3
10	MT	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
11	MT	JEE (Adv.)	09-01-2022 (Sunday)	19-01-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	AJOT	JEE (Adv.)	30-01-2022 (Sunday)	09-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
TOTAL TESTING HOURS									57

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.