

# COURSE PLANNER

CLASS-XI | VIPUL (01JB/ 02JB/ 03JB)

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

Course Start: 06.09.2021 | Syllabus End: 26.03.2022

Target: JEE (Main+Advanced) 2023

CHAITANYA AGGARWAL

**AIR-8** JEE (Adv.)  
2021

**BEST RANK**  
from Kota Classroom  
among all Institutes  
of Kota

## TOTAL ACADEMIC HOURS

Course Duration: 29 Weeks

Total No. of Lectures: 445 (P: 138 | C: 169 | M: 138)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 668 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 42 hrs

Total Academic Hours in VIPUL Course: 710 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	06-Sep-21	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics-I	18	06-Sep-21
2	Rectilinear Motion	8	04-Oct-21	1	Introduction to Chemistry	4	06-Sep-21	2	Quadratic Equation	17	13-Oct-21
3	Projectile Motion	6	18-Oct-21	2	Atomic Structure	16	20-Sep-21	3	Trigonometry	14	15-Nov-21
4	Relative Motion	6	25-Oct-21	3	Mole Concept	10	11-Nov-21	4	Sequence & Series	11	03-Dec-21
5	NLM	10	11-Nov-21	4	Gaseous State (Ideal Gases)	10	29-Nov-21	5	Fundamentals of Mathematics-II	9	20-Dec-21
6	Friction	5	23-Nov-21	5	Gaseous State (Real Gases)	6	15-Dec-21	6	Binomial Theorem	13	31-Dec-21
7	Work, Power & Energy	10	29-Nov-21	6	Chemical Equilibrium	8	27-Dec-21	7	Permutation & Combination	11	19-Jan-22
8	Circular Motion	7	10-Dec-21	7	Thermodynamics & Thermochem.	15	10-Jan-22	8	Straight Line	12	01-Feb-22
9	Centre of Mass	10	18-Dec-21	8	s-Block	5	03-Feb-22	9	Mathematical Reasoning	3	15-Feb-22
10	Rigid Body Dynamics	14	30-Dec-21	9	p-Block (13-14 groups)	6	14-Feb-22	10	Circle	10	18-Feb-22
11	Simple Harmonic Motion	8	15-Jan-22	10	Ionic Equilibrium (Elementary)	10	23-Feb-22	11	Solution of Triangle	4	02-Mar-22
12	Fluids	6	26-Jan-22	11	Ionic Equilibrium (Advanced)	6	14-Mar-22	12	Conic Section	14	07-Mar-22
13	Surface Tension	2	03-Feb-22	ORGANIC				13	Statistics	2	23-Mar-22
14	Elasticity and viscosity	3	07-Feb-22	1	IUPAC Nomenclature	10	06-Sep-21				
15	String waves	8	10-Feb-22	2	Structural Isomerism	3	11-Oct-21				
16	Unit & Dimension	1	21-Mar-22	3	Structural identification	3	19-Oct-21				
17	Sound Waves	7	22-Feb-22	4	POC-I	6	11-Nov-21				
18	KTG & Thermodynamics	8	03-Mar-22	5	Periodic Table	7	24-Nov-21				
19	Calorimetry & Thermal Expansion	4	15-Mar-22	6	BIN	4	13-Dec-21				
20	Measurement & Error	3	22-Mar-22	7	Chemical Bonding-1	4	21-Dec-21				
				8	Chemical Bonding-2	8	29-Dec-21				
				9	Chemical Bonding-3	3	18-Jan-22				
				10	Chemical Bonding-4	4	25-Jan-22				
				11	Chemical Bonding-5	2	02-Feb-22				
				12	GOC-I	8	08-Feb-22				
				13	GOC-II	9	28-Feb-22				
				14	Environmental Chemistry	2	21-Mar-22				
<b>Total No. of Lectures</b>		<b>138</b>		<b>Total No. of Lectures</b>		<b>169</b>		<b>Total No. of Lectures</b>		<b>138</b>	

## DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 06 Septmeber, 2021	W-1	A
2	Monday, 27 December, 2021	W-17	B

## 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	APT-1	JEE (Adv.)	03-10-2021 (Sunday)	13-10-2021 (Wednesday)	Mathematical Tools	Introduction to Chemistry	IUPAC-Nomenclature of Alkane & Cyclo alkane with simple side chain (Alkyl Radical)	FOM-I (Up to method of Interval)	6
2	MCT-1	JEE (Main)	17-10-2021 (Sunday)	27-10-2021 (Wednesday)	Mathematical Tools, Rectilinear motion	Introduction to Chemistry, Atomic Structure (upto Spectrum)	IUPAC Nomenclature	FOM-H	3
3	ACT-1	JEE (Adv.)	21-11-2021 (Sunday)	01-12-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile motion, Relative motion, NLM (Upto Constraint motion)	Introduction to Chemistry, Atomic Structure	IUPAC Nomenclature & Structural Isomerism, Structural Identification	FOM-I Quadratic Equation	6
4	APT-2	JEE (Adv.)	12-12-2021 (Sunday)	22-12-2021 (Wednesday)	Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, WPE (upto Work, energy theorem)	Atomic Structure, Mole Concept, Gaseous State (Ideal Gases) (upto Dalton's law and its applications.)	IUPAC Nomenclature & Structural Isomerism, Structural Identification, POC-I	FOM-I, Quadratic Equation, Trigonometry	6
5	MCT-2	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	Rectilinear Motion, Projectile motion, Relative motion, NLM, Friction, WPE, Circular motion, Centre of mass	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal Gases & Real Gases)	IUPAC Nomenclature & Structural Isomerism, POC-I, Periodic Table, BIN	FOM-I Quadratic Equation, Trigonometry, Sequence and Series, FOM-II (Graphs related to modulus)	3
6	ACT-2	JEE (Adv.)	23-01-2022 (Sunday)	02-02-2022 (Wednesday)	Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, WPE, Circular motion, Centre of mass, RBD	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal Gases & Real Gases), Chemical Equilibrium, Thermodynamics & Thermochemistry (upto Calculation of Work - isothermal, isochoric & isobaric)	IUPAC Nomenclature & Structural Isomerism, POC-I, Periodic Table, BIN, Chemical Bonding-1 & 2	FOM-I Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial Theorem	6
7	APT-3	JEE (Adv.)	13-02-2022 (Sunday)	23-02-2022 (Wednesday)	Friction, WPE, Circular motion, Centre of mass, RBD, SHM, Fluid, Surface tension	Gaseous State (Ideal Gases & Real Gases), Chemical Equilibrium, Thermodynamics & Thermochemistry	Periodic Table, BIN, Chemical Bonding-1 to 3	Sequence and Series, FOM-II, Binomial Theorem, Permutation & Combination, Straight Line (Up to Angle between two straight line)	6
8	MCT-3	JEE (Main)	06-03-2022 (Sunday)	16-03-2022 (Wednesday)	Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, WPE, Circular motion, Centre of mass, RBD	Gaseous State (Ideal Gases & Real Gases), Chemical Equilibrium, Thermodynamics & Thermochemistry, s-block Elements, p-Block Elements (13-14 groups)	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 & Combination, Straight Line, Mathematical Reasoning, Circle	3
9	MT	JEE (Main)	27-03-2022 (Sunday)	30-03-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
<b>TOTAL TESTING HOURS</b>									<b>42</b>

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.