



# COURSE PLANNER

## CLASS-XI | VIKAAS (TCHT2)

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

Course Start: 25.01.2021 | Syllabus End: 31.12.2021

Target: JEE (Main+Advanced) 2023

### TOTAL ACADEMIC HOURS

- ◆ Course Duration: 48 Weeks
- ◆ Total Number of Lectures: 321 (P: 108 | C: 106 | M: 107)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 482 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 45 hrs
- ◆ Total Academic Hours in VIKAAS Course: 527 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	15	08-Feb-21	PHYSICAL				1	Fundamentals of Mathematics-I	17	25-Jan-21			
2	Rectilinear Motion	6	16-Mar-21	1	Introduction to Chemistry	4	08-Feb-21	2	Fundamentals of Mathematics-II	9	03-Mar-21			
3	Projectile Motion	6	12-Apr-21	2	Mole Concept	10	16-Feb-21	3	Quadratic Equation	17	12-Apr-21			
4	Relative Motion	6	26-Apr-21	3	Atomic Structure	14	10-Mar-21	4	Trigonometry	15	19-May-21			
5	NLM	11	10-May-21	4	Gaseous State-1	8	27-Apr-21	5	Sequence & Series	12	23-Jun-21			
6	Friction	5	02-Jun-21	5	Gaseous State-2	5	17-May-21	6	Binomial Theorem	9	21-Jul-21			
7	Work, Power & Energy	10	15-Jun-21	6	Chemical Equilibrium	9	26-May-21	7	Permutation & Combination	12	11-Aug-21			
8	Circular Motion	8	07-Jul-21	INORGANIC				8	Straight Line	12	22-Nov-21			
9	Centre of Mass	11	27-Jul-21	1	Periodic Table	7	16-Jun-21	9	Mathematical Reasoning	4	20-Dec-21			
10	Rigid Body Dynamics	16	23-Aug-21	2	Chemical Bonding-1	6	05-Jul-21							
11	Fluids	5	30-Nov-21	3	Chemical Bonding-2	8	19-Jul-21							
12	Simple Harmonic Motion	8	13-Dec-21	4	Chemical Bonding-3	4	04-Aug-21							
13	Buffer	1	29-Dec-21	5	Chemical Bonding-4	3	16-Aug-21							
				6	Chemical Bonding-4 + 5	1	23-Aug-21							
				7	Chemical Bonding-5	2	24-Aug-21							
				ORGANIC										
				1	IUPAC Nomenclature	10	30-Aug-21							
				2	Structural Isomerism	4	22-Nov-21							
				3	Structural identification & POC-I	11	30-Nov-21							
<b>Total No. of Lectures</b>				<b>108</b>	<b>Total No. of Lectures</b>				<b>106</b>	<b>Total No. of Lectures</b>				<b>107</b>

## DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	10 February 2021	W-1	A
2	08 March 2021	W-5	B
3	07 June 2021	W-18	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	APT-1	JEE (Advanced)	25-04-2021 (Sunday)	05-05-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion (upto section-C)	Introduction to chemistry, Mole Concept & Atomic Structure (upto Electronic configuration)	NIL	NIL	FOM 1, Quadratic equation up to nature of roots	6
2	ACT-1	JEE (Advanced)	16-05-2021 (Sunday)	26-05-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion	Introduction to chemistry, Mole Concept & Atomic Structure, Gaseous State-I (upto Graham's Law)	NIL	NIL	FOM-1, Quadratic Equation	6
3	MCT-2	JEE (Main)	06-06-2021 (Sunday)	16-06-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM (upto section-F)	Introduction to chemistry, Mole Concept & Atomic Structure, Gaseous State (Ideal + Real)	NIL	NIL	FOM1, FOM2, Quadratic Equation	3
4	APT-2	JEE (Advanced)	27-06-2021 (Sunday)	07-07-2021 (Wednesday)	Projectile Motion, Relative Motion, NLM, Friction, WPE (upto variable force)	Atomic Structure, Gaseous State (Ideal + Real), Chemical Equilibrium	NIL	NIL	Quadratic Equation, Trigonometry (Product of cosine series)	6
5	MCT-3	JEE (Main)	18-07-2021 (Sunday)	28-07-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE	PC: Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal+Real), Chemical Equilibrium IC; Periodic Table, BIN	NIL	NIL	FOM-1, Quadratic Equation, Trigonometry	3
6	ACT-3	JEE (Advanced)	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass (upto section-A)	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal + Real), Chemical Equilibrium	Periodic Table, BIN, Chemical Bonding-1 & 2	NIL	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series	6
7	APT-3	JEE (Advanced)	05-09-2021 (Sunday)	15-09-2021 (Wednesday)	WPE, Circular Motion, Centre of mass, RBD (upto section-B)	Gaseous State (Real Gas), Chemical Equilibrium	Chemical Bonding	NIL	Trigonometry, Sequence and Series, FOM-2	6
8	ACT-4	JEE (Advanced)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	Mathematical Tools, 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 + Real), Chemical Equilibrium,	Periodic Table, BIN, Chemical Bonding	IUPAC Nomenclature & Structural Isomerism	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Mathematical Reasoning, Circle	6
9	MCT-4	JEE (Main)	26-12-2021 (Sunday)	29-12-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal + Real), Chemical Equilibrium,	Periodic Table, BIN, Chemical Bonding	IUPAC Nomenclature & Structural Isomerism & POC-I	FOM-1, FOM-2, Quadratic Equation, Trigonometry, Sequence and Series, Binomial Theorem, Permutation and Combination, Straight Line	3

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.

**TOTAL TESTING HOURS**

**45**