



# COURSE PLANNER

## CLASS-XI | ABHINAV (00EA/ 01EA)

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

Course Start: 05.04.2021 | Syllabus End: 25.12.2021

**Target: JEE (Main) 2023**

### TOTAL ACADEMIC HOURS

- ◆ Course Duration: 34 Weeks
- ◆ Total Number of Lectures: 443 (P: 131 | C: 174 | M: 138)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 665 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 42 hrs
- ◆ Total Academic Hours in ABHINAV Course: 707 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	05-Apr-21	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics-I	18	05-Apr-21
2	Rectilinear Motion	6	28-Apr-21	1	Introduction to Chemistry	5	05-Apr-21	2	Quadratic Equation	12	11-May-21
3	Projectile Motion	7	11-May-21	2	Atomic Structure	15	14-Apr-21	3	Trigonometry	15	02-Jun-21
4	Relative Motion	6	25-May-21	3	Mole Concept	12	19-May-21	4	Sequence & Series	11	30-Jun-21
5	NLM	10	07-Jun-21	4	Gaseous State	12	16-Jun-21	5	Fundamentals of Mathematics-II	9	20-Jul-21
6	Friction	5	24-Jun-21	5	Chemical Equilibrium	8	14-Jul-21	6	Binomial Theorem	10	04-Aug-21
7	Work, Power & Energy	10	05-Jul-21	6	Thermodynamics & Thermochem.	15	04-Aug-21	7	Permutation & Combination	12	24-Aug-21
8	Circular Motion	7	22-Jul-21	7	s-Block	5	20-Sep-21	8	Straight Line	14	15-Sep-21
9	Centre of Mass	11	04-Aug-21	8	p-Block (13-14 groups)	7	05-Oct-21	9	Mathematical Reasoning	3	12-Oct-21
10	Rigid Body Dynamics	13	30-Aug-21	9	Ionic Equilibrium	14	11-Nov-21	10	Solution of Triangle	5	18-Oct-21
11	Simple Harmonic Motion	7	22-Sep-21	ORGANIC				11	Statistics	3	26-Oct-21
12	Fluids	4	05-Oct-21	1	IUPAC Nomenclature & Structural Isomerism	14	05-Apr-21	12	Circle	10	11-Nov-21
13	Surface Tension	2	13-Oct-21	2	Structural identification & POC-I	11	31-May-21	13	Conic Section	16	25-Nov-21
14	Elasticity and viscosity	3	18-Oct-21	3	Periodic Table	7	12-Jul-21				
15	String waves	7	25-Oct-21	4	BIN	3	10-Aug-21				
16	Unit & Dimension	1	15-Nov-21	5	Chemical Bonding	23	23-Aug-21				
17	Sound Waves	7	16-Nov-21	6	Environmental Chemistry	3	18-Oct-21				
18	KTG & Thermodynamics	7	29-Nov-21	7	GOC-I	9	25-Oct-21				
19	Calorimetry & Thermal Expansion	4	13-Dec-21	8	GOC-II	11	24-Nov-21				
20	Buffer	2	22-Dec-21								
<b>Total No. of Lectures</b>		<b>131</b>		<b>Total No. of Lectures</b>		<b>174</b>		<b>Total No. of Lectures</b>		<b>138</b>	

\*Timings of Counselling Session for Individual Batch will be announced via time table.

### DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 5 April, 2021	W-1	A
2	Monday, 14 June, 2021	W-13	B
3	Monday, 20 September, 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			Testing Hours	
					Physics	Chemistry			
						Physical/ Inorganic	Organic		Mathematics
1	PT-1	JEE (Main)	02-05-2021 (Sunday)	12-05-2021 (Wednesday)	Mathematical Tools Introduction to Chemistry, Atomic Structure (upto Planck's Quantum Theory, Black Body Radiation)	IUPAC Nomenclature (upto Non-chain terminating)	FOM-I (Up to logarithm Equation)	3	
2	CT-1	JEE (Main)	23-05-2021 (Sunday)	02-06-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile motion (Upto Projectile motion on inclined plane)	Introduction to Chemistry, Atomic Structure (upto Nuclear Chemistry)	IUPAC Nomenclature & Structural Isomerism (upto Structural isomerism, DU calculation of Heera atom (N.O.S & X) containing compounds)	FOM-I	3
3	PT-2	JEE (Main)	13-06-2021 (Sunday)	23-06-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion,	Atomic Structure, Mole Concept (upto Basics of oxidation number, Oxidizing and reducing agents)	IUPAC Nomenclature & Structural Isomerism & Structural identification (upto Ozonolysis)	FOM-I, Quadratic Equation	3
4	PT-3	JEE (Main)	04-07-2021 (Sunday)	14-07-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction	Mole Concept, Gaseous State (upto Connecting vessels problems)	Structural Isomerism & Structural identification & POC-I (upto Qualitative Analysis of Organic Compounds Lassaigne test)	Quadratic Equation, Trigonometry	3
5	CT-2	JEE (Main)	18-07-2021 (Sunday)	28-07-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE (Upto Power)	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State(Ideal + Real)	IUPAC Nomenclature & Structural Isomerism	FOM-I, Quadratic Equation, Trigonometry	3
6	PT-4	JEE (Main)	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Work Power & Energy, Circular Motion	Gaseous State(Ideal + Real) Chemical Equilibrium (upto Le-Chatelier principle)	Structural identification & POC-I & Periodic Table (upto Electron Gain Enthalpies & Electro negativity)	Sequence and Series, Fundamental -II	3
7	PT-5	JEE (Main)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Work Power & Energy, Circular Motion, Centre of mass,	Chemical Equilibrium, Thermodynamic & Thermochemistry (upto Adiabatic Process)	POC-I & Periodic Table & BIN	Sequence and Series Fundamental -II, Binomial Theorem	3
8	CT-3	JEE (Main)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, COM, RBD (Upto Rolling with slipping, Rolling on a moving object.)	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State(Ideal + Real), Chemical Equilibrium, Thermodynamics & Thermochemistry	IUPAC Nomenclature & Structural Isomerism & Structural identification & POC-I, Periodic Table, BIN, Chemical Bonding-1	FOM-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial Theorem	3
9	PT-6	JEE (Main)	03-10-2021 (Sunday)	13-10-2021 (Wednesday)	Centre of mass, RBD, SHM (Up to Spring block system, combination of spring)	Thermodynamic & Thermochemistry, s-block Elements (upto Solubility in liq NH <sub>3</sub> + Chemical Reactions, important compounds of S-block (NaOH and its reactions))	Periodic Table & BIN, Chemical Bonding (upto Molecular Orbital Theory)	Binomial Theorem, Permutation and Combination, Straight Line (Up to Various forms)	3
10	PT-7	JEE (Main)	24-10-2021 (Sunday)	03-11-2021 (Wednesday)	RBD, SHM, Fluid Mechanics, Surface Tension, Elasticity and Viscosity	Thermodynamic & Thermochemistry, s-block & p-block elements (13 & 14 groups)	BIN & Chemical Bonding	Permutation and Combination, Straight Line, Mathematical Reasoning	3
11	CT-4	JEE (Main)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid mechanics, Surface tension, Elasticity & viscosity	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous State(Ideal + Real), Chemical Equilibrium, Thermodynamics & Thermochemistry, s-block, p-block elements (13 & 14 groups)	IUPAC Nomenclature & Structural Isomerism & Structural identification & POC-I, Periodic Table, BIN, Chemical Bonding, Environmental Chemistry	FOM-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial Theorem, Permutation and Combination, Straight Line, Mathematical Reasoning	3
12	PT-8	JEE (Main)	28-11-2021 (Sunday)	08-12-2021 (Wednesday)	Fluid Mechanics, Surface Tension, Elasticity and Viscosity, SHM, String wave, Sound waves	s-block & p-block elements (13 & 14 groups), Ionic Equilibrium (upto pH Calculation)	Chemical Bonding, Environmental Chemistry, GOC-I (upto Resonance effect Drawing Structure))	Mathematical Reasoning, Set, Statistics, Circle	3
13	CT-5	JEE (Main)	19-12-2021 (Sunday)	29-12-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, String wave and Sound waves, KTG and Thermodynamics	Full Syllabus	IUPAC Nomenclature & Structural Isomerism & Structural identification & POC-I, Periodic Table, BIN, Chemical Bonding, Environmental Chemistry, GOC-I, GOC-II (upto Basic strength)	FOM-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial Theorem, Permutation and Combination, Straight Line, Mathematical Reasoning, Set, Statistics, Circle	3
14	M/MT	JEE (Main)	26-12-2021 (Sunday)	29-12-2021 (Wednesday)	Full Syllabus (X)	Full Syllabus	Full Syllabus	Full Syllabus	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**

**42**