



## COURSE PLANNER

### CLASS-XI | VIKAAS (02JA)

Medium: Eng./Hin. Academic Session: 2019-20

Course Start: 08.04.2019 | Syllabus End: 30.12.2020

Target: JEE (Main+Advanced) 2021

#### TOTAL ACADEMIC HOURS

- ◆ Course Duration: 39 Weeks
- ◆ Total Number of Lectures: 464 (P: 144 | C: 180 | M: 140)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 696 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 66 hrs
- ◆ Total Academic Hours in VIKAAS Course: 762 hrs

### SUBJECT WISE SYLLABUS PLAN

PHYSICS (PI)				CHEMISTRY (CI)				MATHEMATICS (MI)			
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 Tool	12	08.04.19	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics-I	14	08.04.19
2	Rectilinear Motion	6	29.04.19	1	Introduction to Chemistry	5	08.04.19	2	Quadratic Equation	13	26.04.19
3	Projectile Motion	6	08.05.19	2	Atomic Structure	16	29.04.19	3	Trigonometry	16	16.05.19
4	Relative Motion	6	20.05.19	3	Mole Concept	12	01.07.19	4	Sequence & Series	11	12.06.19
5	NLM	9	29.05.19	4	Gaseous State-I	8	01.08.19	5	Fundamentals of Mathematics-II	9	01.07.19
6	Friction	6	17.06.19	5	Chemical Equilibrium	8	20.08.19	6	Binomial Theorem	8	16.07.19
7	WPE	9	01.07.19	6	Gaseous State-II	4	09.09.19	7	Permutation & Combination	12	30.07.19
8	Circular Motion	7	22.07.19	7	s-block	5	17.09.19	8	Straight Line	15	20.08.19
9	Center of Mass	10	06.08.19	8	Thermodynamics & Thermochemistry	15	30.09.19	9	Mathematical Reasoning	3	18.09.19
10	RBD	13	27.08.19	9	p-block (13-14 group)	5	13.11.19	10	Mathematical Induction	2	25.09.19
11	Simple Harmony Motion	7	30.09.19	10	Ionic Equilibrium (Elementary)	7	26.11.19	11	Circle	11	30.09.19
12	Fluid Mechanics	4	14.10.19	11	Ionic Equilibrium (Advanced)	6	11.12.19	12	Solution of Triangle	6	04.11.19
13	Surface Tension	2	21.10.19	ORGANIC				13	Conic Section	17	18.11.19
14	Elasticity & Viscosity	3	04.11.19	1	IUPAC Nomenclature	11	08.04.19	14	Statistics	3	19.12.19
15	String Waves	7	11.11.19	2	Structural Isomerism	4	06.05.19				
16	Unit & Dimension	1	21.11.19	3	Structural Identification	3	20.05.19				
17	Sound Waves	6	25.11.19	4	ABC-I, II & III	11	28.05.19				
18	KTG & Thermodynamics	7	05.12.19	5	Periodic Table	7	01.07.19				
19	Calorimetry & Thermal Expansion	3	18.12.19	6	BIN	3	16.07.19				
20	Error & Experiment	1	24.12.19	7	Chemical Bonding-I	6	23.07.19				
21	Miscellaneous	17		8	Chemical Bonding-II	6	07.08.19				
				9	Chemical Bonding-III	5	26.08.19				
				10	Chemical Bonding-IV & V	7	04.09.19				
				11	ABC-IV	3	23.09.19				
				12	GOC-I	9	30.09.19				
				13	GOC-II	14	05.11.19				
<b>Total No. of Lectures</b>		<b>144</b>		<b>Total No. of Lectures</b>		<b>180</b>		<b>Total No. of Lectures</b>		<b>140</b>	

#### DPP DISTRIBUTION & DISCUSSION SCHEDULE

S.No.	DATE	P/C/M
1	08 Apr to 30 Jun 19	Module-A
2	01 Jul to 29 Sep 19	Module-B
3	30 Sep 19 to 22 Feb 20	Module-C

#### RESONANCE BOARD WORKSHEET (RBW) SCHEDULE

S.No.	PHYSICS	OC	PC	MATHS
1	13.05.2019	27.05.2019	01.07.2019	29.04.2019
2	17.06.2019	01.07.2019	26.08.2019	20.05.2019
3	15.07.2019	22.07.2019	30.09.2019	10.06.2019
4	26.08.2019	16.09.2019	11.11.2019	01.07.2019
5	30.09.2019	11.11.2019	09.12.2019	05.08.2019
6	11.11.2019	-	-	02.09.2019
7	02.12.2019	-	-	30.09.2019
8	-	-	-	11.11.2019

#### COUNSELING SESSIONS SCHEDULE\*

WEEK
<b>13 - 18 May 2019</b>
<b>22 - 27 July 2019</b>
<b>14 - 19 October 2019</b>

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

## 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	APT-1	JEE (Adv.)	05-05-19 (Sunday)	09-05-19 (Thursday)	Mathematical Tools	Introduction to Chemistry & Atomic Structure (upto Rutherford Model & Estimation of distance of closest approach)	IUPAC Nomenclature (Up to Non-chain terminating functional groups)	6	Fundamentals of Mathematics-I
2	MCT-1	JEE (Main)	26-05-19 (Sunday)	30-05-19 (Thursday)	Mathematical Tools, Rectilinear motion, Projectile motion	Atomic Structure (upto Photoelectric Effect)	IUPAC Nomenclature, Structural Isomerism	3	Fundamentals of Mathematics-I, Quadratic Equation
3	ACT-1	JEE (Adv.)	23-06-19 (Sunday)	04-07-19 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM	IUPAC Nomenclature, Structural Isomerism & Structural Identification	Introduction to Chemistry & Atomic Structure (upto Quantum nos.)	6	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series (Upto Properties A.P., Arithmetic mean (A.M.I.))
4	APT-2	JEE (Adv.)	07-07-19 (Sunday)	11-07-19 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction	Atomic Structure + Mole Concept (upto minimum molecular mass determination)	Structural Isomerism, Structural identification & ABC-1, 2, 3	6	Quadratic Equation, Trigonometry, Sequence & Series
5	MCT-2+ BPT-2	JEE (Main) + Board	28-07-19 (Sunday)	01-08-19 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE	Introduction to Chemistry, Atomic Structure, Mole Concept (upto Balancing of Redox Reactions)	Structural identification, ABC-1, 2, 3 & Periodic table Complete	6	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II
6	ACT-2	JEE (Adv.)	25-08-19 (Sunday)	29-08-19 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion	Introduction to Chemistry, Atomic Structure, Mole Concept (upto Graham's law)	Periodic table & BIN	6	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination (Upto except: multinomial and dearrangement)
7	APT-3	JEE (Adv.)	22-09-19 (Sunday)	26-09-19 (Thursday)	Friction, WPE, Circular Motion, Centre of mass, RBD (Upto Section D)	Mole Concept, Gaseous state-1, Chemical Equilibrium & Gaseous state-2 (upto virial equation)	Chemical Bonding-1, 2, 3 & 4	6	Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination, Straight Line (Upto Family of lines)
8	ACT-3	JEE (Adv.)	10-11-19 (Sunday)	14-11-19 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid, Surface tension	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state-1, Chemical Equilibrium, Gaseous state-2, s-block elements & Thermodynamics (upto II)	Chemical Bonding Complete & GOC-1 (up to Hyperconjugation)	6	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination, Straight Line, Circle
9	APT-4	JEE (Adv.)	01-12-19 (Sunday)	05-12-19 (Thursday)	RBD, SHM, Fluid, Surface Tension, Elasticity & Viscosity, String wave, Unit & Dimension	Gaseous state-2, s-block elements, Thermodynamics & Thermochemistry, p-block elements (Group 13 & 14)	GOC-1 & Reaction intermediated	6	Straight Line, Circle, Solution of Triangle, Conic Section (Upto Elementary concepts of Parabola)
10	MT	JEE (Main)	27-12-19 (Friday)	02-01-20 (Thursday)	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	3	XI Full Syllabus
11	MT	JEE (Adv.)	30-12-19 (Monday)	03-01-20 (Friday)	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	6	XI Full Syllabus
12	AJOT	JEE (Main)	09-02-20 (Sunday)	13-02-20 (Thursday)	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	3	XI Full Syllabus

**Date of Reshuffling of Batches:** 01.07.2019, 29.09.2019

Note: 1. Students are advised to refer their notice board for test timings | 2. Their will be no classes on the preceding saturday before every PTs/ OTs (except BPTs).

3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.

**TOTAL TESTING HOURS**

**63**