



COURSE PLANNER

CLASS-XI | VIKAAS (05JA)

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

Course Start: 29.04.2019 | Syllabus End: 30.12.2019

Target: JEE (Main+Advanced) 2021

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 36 Weeks
- ◆ Total Number of Lectures: 435 (P: 132 | C: 171 | M: 132)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 653 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 57 hrs
- ◆ Total Academic Hours in VIKAAS Course: 710 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			
				PHYSICAL/ INORGANIC										
1	Mathematical Tool	12	29.04.19	1	Introduction to Chemistry	4	29.04.19	1	Fundamentals of Mathematics-I	12	29.04.19			
2	Rectilinear Motion	6	20.05.19	2	Atomic Structure	16	14.05.19	2	Quadratic Equation	12	15.05.19			
3	Projectile Motion	6	29.05.19	3	Mole Concept	11	15.07.19	3	Trigonometry	15	04.06.19			
4	Relative Motion	6	10.06.19	4	Gaseous State-I	8	07.08.19	4	Sequence & Series	12	27.06.19			
5	NLM	9	19.06.19	5	Chemical Equilibrium	7	27.08.19	5	Fundamentals of Mathematics-II	8	15.07.19			
6	Friction	6	03.07.19	6	Gaseous State-II	4	11.09.19	6	Binomial Theorem	8	25.07.19			
7	WPE	9	15.07.19	7	s-block	5	18.09.19	7	Permutation & Combination	11	08.08.19			
8	Circular Motion	7	05.08.19	8	Thermodynamics & Thermochemistry	15	30.09.19	8	Straight Line	14	27.08.19			
9	Center of Mass	10	16.08.19	9	p-block (13-14 group)	5	13.11.19	9	Mathematical Reasoning	2	23.09.19			
10	RBD	13	04.09.19	10	Ionic Equilibrium (Elementary)	7	26.11.19	10	Mathematical Induction	1	25.09.19			
11	Simple Harmony Motion	7	30.09.19	11	Ionic Equilibrium (Advanced)	6	11.12.19	11	Circle	11	30.09.19			
				ORGANIC										
12	Fluid Mechanics	4	14.10.19	1	IUPAC Nomenclature	11	29.04.19	12	Solution of Triangle	6	04.11.19			
13	Surface Tension	2	21.10.19	2	Structural Isomerism	4	03.06.19	13	Conic Section	17	18.11.19			
14	Elasticity & Viscosity	3	04.11.19	3	Structural Identification	3	17.06.19	14	Statistics	3	19.12.19			
15	String Waves	7	11.11.19	4	ABC-I, II & III	9	25.06.19							
16	Unit & Dimension	1	21.11.19	5	Periodic Table	6	15.07.19							
17	Sound Waves	6	25.11.19	6	BIN	3	29.07.19							
18	KTG & Thermodynamics	7	05.12.19	7	Chemical Bonding-I	5	05.08.19							
19	Calorimetry & Thermal Expansion	3	18.12.19	8	Chemical Bonding-II	6	14.08.19							
20	Error & Experiment	1	24.12.19	9	Chemical Bonding-III	5	16.08.19							
21	Miscellaneous	7		10	Chemical Bonding-IV & V	6	04.09.19							
				11	ABC-IV	2	24.09.19							
				12	GOC-I	9	30.09.19							
				13	GOC-II	14	05.11.19							
Total No. of Lectures				132	Total No. of Lectures				171	Total No. of Lectures				132

DPP DISTRIBUTION & DISCUSSION SCHEDULE

S.No.	DATE	P/C/M
1	29 Apr to 14 Jul 19	Module-A
2	15 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
27 May - 01 June 2019
22 - 27 July 2019
14 - 19 October 2019

*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	Physics		Periodic Test Syllabus		Testing Hours
					Mathematics	Chemistry	Physical/ Inorganic	Organic	
1	APT-1	JEE (Adv.)	26-05-19 (Sunday)	06-06-19 (Thursday)	Mathematical Tools	Introduction to Chemistry & Atomic Structure (upto Rutherford Model & Estimation of distance of closest approach)	IUPAC Nomenclature (up to Alkane)	Fundamentals of Mathematics-I (Up to Identity, Properties)	6
2	MCT-1	JEE (Main)	16-06-19 (Sunday)	20-06-19 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile motion	Introduction to Chemistry & Atomic Structure (upto Bohr's Atomic Model)	IUPAC Nomenclature, Structural Isomerism (upto Relations)	Fundamentals of Mathematics-I, Quadratic Equation	3
3	ACT-1	JEE (Adv.)	07-07-19 (Sunday)	11-07-19 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile motion, Relative Motion, NLM (up to Section D)	Introduction to Chemistry & Atomic Structure (upto Quantum nos. & Electronic configuration)	IUPAC Nomenclature, Structural Isomerism & Structural identification	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry	6
4	APT-2	JEE (Adv.)	28-07-19 (Sunday)	01-08-19 (Thursday)	Rectilinear Motion, Projectile motion, Relative Motion, NLM, Friction, WPE (up to section B)	Atomic Structure + Mole Concept (upto Limiting reagent)	Structural identification, ABC-1, 2, 3 & Periodic table (upto Lanthanoid contraction)	Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II	6
5	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, Gaseous state 1 (Upto Graham's law)	Periodic table & BIN	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination (Upto except multinomial and dearrangement)	6
6	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 viral equation)	Chemical Bonding-1, 2, 3 & 4	Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination, Straight Line (Upto Family of lines)	6
7	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-I (up to Hyperconjugation)	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination, Straight Line, Circle	6
8	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-I & Reaction intermediated	Straight Line, Circle, Solution of Triangle, Conic Section (Upto elementary concepts of Parabola)	6
9	MT	JEE (Main)	27-12-19 (Friday)	02-01-20 (Thursday)	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	3
10	MT	JEE (Adv.)	30-12-19 (Monday)	03-01-20 (Friday)	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	6
11	AJOT	JEE (Main)	09-02-20 (Sunday)	13-02-20 (Thursday)	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	3
TOTAL TESTING HOURS									57

Date of Reshuffling of Batches: 15.07.2019, 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/ CTs (except BPTs).
 3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.