



# COURSE PLANNER

## CLASS-XIII | VISHESH (06JD)

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

Course Start: 20.05.2019 | Syllabus End: 28.12.2019

Target: JEE (Main+Advanced) 2020

### TOTAL ACADEMIC HOURS

- ◆ Course Duration: 31 Weeks
- ◆ Total Number of Lectures: 528 (P: 172 | C: 184 | M: 172)
- ◆ Duration of one lecture: 1.75 hrs = 105 minutes
- ◆ Total Duration of Classroom Teaching: 924 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 81 hrs
- ◆ Total Academic Hours in VISHESH Course: 1005 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	Rectilinear Motion	4	20.05.19	1	PHYSICAL/ INORGANIC			1	Fundamental of Mathematics	11	20.05.19
2	Projectile Motion	3	24.05.19	2	Mole Concept	6	20.05.19	2	Quadratic Equation	6	04.06.19
3	Relative Motion	5	18.06.19	3	Quantum Mechanical Model of Atom	1	29.05.19	3	Relation, Function & ITF	12	11.06.19
4	Geometrical Optics	18	03.06.19	4	Periodic Table	2	30.05.19	4	Statistics	2	25.06.19
5	NLM	6	26.06.19	5	Real Gases	4	04.06.19	5	Sequence & Series	5	27.06.19
6	Friction	3	03.07.19	6	Chemical Bonding-I, II, III, IV & V	11	11.06.19	6	Matrices & Determinants	8	03.07.19
7	WPE	5	06.07.19	7	Chemical Equilibrium	5	01.07.19	7	Straight Line	9	12.07.19
8	Electrostatics	15	12.07.19	8	Ionic Equilibrium (Elementary)	6	09.07.19	8	Circle	6	23.07.19
9	Gravitation	3	30.07.19	9	Coordination Compounds	8	18.07.19	9	Limit Continuity & Derivability	11	30.07.19
10	Current Electricity	7	02.08.19	10	Electrochemistry	8	05.08.19	10	Application of Derivatives	13	12.08.19
11	Capacitance	7	10.08.19	11	Metallurgy	3	26.08.19	11	Solution of Triangle	3	29.08.19
12	Circular Motion	4	21.08.19	12	Qualitative Analysis-1	5	02.09.19	12	Conic Section	15	02.09.19
13	Centre of Mass	6	26.08.19	13	p-block elements (H & N gases)	3	10.09.19	13	Indefinite Integration	6	20.09.19
14	RBD	11	02.09.19	14	Chemical Kinetics	7	16.09.19	14	Definite Integration & Its Application	13	27.09.19
15	SHM	7	17.09.19	15	Qualitative Analysis-2	5	27.09.19	15	Differential Equation	5	15.10.19
16	String Waves	5	25.09.19	16	Solution & Colligative Properties	7	07.10.19	16	Mathematical Reasoning	3	21.10.19
17	Sound Wave	7	01.10.19	17	Surface Chemistry	3	18.10.19	17	Vector & 3D	13	04.11.19
18	Wave Optics	4	10.10.19	18	s-block element	2	04.11.19	18	Complex No.	10	19.11.19
19	EM Wave	1	15.10.19	19	Solid State	6	06.11.19	19	Binomial Theorem	6	02.12.19
20	Semiconductor	3	16.10.19	20	p-block elements (N & O gases)	4	18.11.19	20	Permutation & Combination	10	09.12.19
21	POC	2	19.10.19	21	Thermodynamics & Thermochemistry	7	25.11.19	21	Probability	5	23.12.19
22	EMF	6	22.10.19	22	p-block (B & C family)	3	05.12.19				
23	EMI	6	08.11.19	23	Equivalent Concept	3	11.12.19				
24	Alternating Current	3	15.11.19	24	d block element	2	17.12.19				
25	Modern Physics	5	19.11.19		Ionic Equilibrium (Advanced)	4	19.12.19				
26	Nuclear Physics	4	27.11.19		ORGANIC						
27	Fluid Mechanism	4	02.12.19	1	IUPAC Nomenclature and Structural Isomerism	5	20.05.19				
28	Surface Tension	3	06.12.19	2	Structural Identification & POC	2	29.05.19				
29	Elasticity & Viscosity	1	10.12.19	3	GOC-I & II	15	04.06.19				
30	KTG & Thermodynamics	7	11.12.19	4	Stereoisomerism (Mains)	5	22.07.19				
31	Calorimetry & Thermal Expansion	3	20.12.19	5	ORM-I & II	11	05.08.19				
32	Heat Transfer	4	24.12.19	6	Reduction, Oxidation & Hydrolysis	4	02.09.19				
	<b>Total No. of Lectures</b>	<b>172</b>		7	ORM-III & IV	7	16.09.19				
				8	Aromatic Compound	4	08.10.19				
				9	Preparation of Hydrocarbon	1	04.11.19				
				10	Carbonyl Compound and Acid Derivatives	7	05.11.19				
				11	Biomolecules	3	02.12.19				
				12	Stereoisomerism (Advanced)	3	10.12.19				
				13	Physical Prop. & Chem.in Everyday Life	2	23.12.19				
					<b>Total No. of Lectures</b>	<b>184</b>					
					<b>Total No. of Lectures</b>	<b>172</b>					

- IMPORTANT:** 1. Revision Plan 1 (JEE-Main) will get distributed in first week of Jan 2020  
 2. Revision Plan 2 (JEE-Advanced) will get distributed in first week of April 2020

### DPP DISTRIBUTION & DISCUSSION SCHEDULE

S.No.	DATE	PHYSICS	CHEMISTRY	MATHS
1	20 May to 07 Sep 19	Module-A	Module-A	Module-A
2	08 Sep to 28 Dec 19	Module-B	Module-B	Module-B

### COUNSELING SESSIONS SCHEDULE\*

WEEK
17 - 22 June 2019
15 - 20 July 2019
14 - 19 October 2019

**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 (Adv.)	16-06-19 (Sunday)	27-06-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics upto mirror formula	Mole Concept + Quantum Mechanical model of atom (GMM) & Periodic Table (All Cheminfos and Handouts Till date)	IUPAC Nomenclature & Structural isomerism & Str. Identification & POC-I	6	Fundamentals of Mathematics
2	MCT-1	JEE (Main)	14-07-19 (Sunday)	25-07-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, WPE upto Power.	Mole concept, GMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium (upto homogeneous equilibrium) (All Cheminfos and Handouts Till date)	Structural isomerism, Structure Identification & POC-I, GOC-I & GOC-II (upto intermediate)	3	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & IT, Statistics, Sequence & Series
3	APT-2	JEE (Adv.)	04-08-19 (Sunday)	14-08-19 (Wednesday)	Geometrical Optics, NLM, Friction, WPE, Electrostatics.	Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary) & Coordination compounds (upto VBT) (All Cheminfos and Handouts Till date)	POC-I, GOC-I & GOC-II, Stereoisomerism (upto Geometrical Isomers)	6	Quadratic Equation, Function & IT, Sequence & Series, Matrices & Determinant, Straight Line
4	ACT-2	JEE (Adv.)	18-08-19 (Sunday)	29-08-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, WPE, Electrostatics, Gravitation, Current Electricity & Capacitance up combination of capacitors.	Mole concept, GMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry (upto Concentration cells) (All Cheminfos and Handouts Till date)	GOC-I & GOC-II, Stereoisomerism (Mains), ORM-I (upto Nucleophilic addition reaction)	6	Fundamentals of Mathematics, Quadratic Equation, Function & IT, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability (Upto limits only)
5	MCT-3	JEE (Main)	08-09-19 (Sunday)	19-09-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optic, NLM, Friction, WPE, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular motion, CoM.	Mole concept, GMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (elementary), Coordination compounds, Electrochemistry, Metallurgy (All Cheminfos and Handouts Till date)	Stereoisomerism (Mains), ORM-I & ORM-II	3	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & IT, Statistics, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability, Application of Derivatives
6	APT-3	JEE (Adv.)	06-10-19 (Sunday)	17-10-19 (Thursday)	Current Electricity, Capacitance, Circular Motion, Centre of Mass, RBD, SHM, String Waves.	Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I, p-Block(Helogen & Noble gases), Chemical Kinetics & Radioactivity (All Cheminfos and Handouts Till date)	ORM-I & ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III	6	Limits, Continuity & Derivability, Application of Derivatives, Solution of Triangle, Conic Section, Indefinite Integration
7	ACT-2	JEE (Adv.)	24-11-19 (Thursday)	05-12-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optic, NLM, Friction, WPE, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Centre of Mass, RBD, SHM, String Waves, Sound Waves and Wave Optics, EMF, EMI, AC.	Mole concept, GMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (elementary), Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I, p-Block Elements (Helogen & Noble gases), Chemical Kinetics & Radioactivity, Qualitative Analysis-II, Solution & Colligative Properties & Surface Chemistry, s-block Elements, Solid State (All Cheminfos and Handouts Till date)	Reduction, Oxidation & Hydrolysis, ORM-II, Aromatic Compound, Preparation of Hydrocarbon & Carbonyl compounds (upto Condensation reaction)	6	Fundamentals of Mathematics, Quadratic Equation, Function & IT, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability, Application of Derivatives, Solution of Triangle, Conic Section, Indefinite Integration, Definite Integration & Its Application, Differential Equation, Vector & 3-D (upto cross product of two vectors)
8	APT-4	JEE (Adv.)	15-12-19 (Saturday)	26-12-19 (Thursday)	EMF, EMI, AC, Modern Physics-I, Nuclear Physics, Fluid Mechanics, Surface Tension.	Qualitative Analysis-II, Solution & Colligative Properties & Surface Chemistry, s-block, Solid State, p-Block(N & O), Thermodynamics & Thermochemistry (All Cheminfos and Handouts Till date)	Aromatic Compound, Preparation of Hydrocarbon, Carbonyl compounds & Acid & derivatives	6	Definite Integration & Its Application, Differential Equation, Vector & 3-D, Complex Number, Binomial Theorem
9	AJOT-1	JEE (MAIN)	29-12-19 (Sunday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	3	Full Syllabus
10	MJMT-1	JEE (MAIN)	31-12-19 (Monday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	3	Full Syllabus
11	MJMT-2	JEE (MAIN)	02-01-20 (Thursday)	10-02-20 (Friday)	Full Syllabus	Full Syllabus	Full Syllabus	3	Full Syllabus
12	AJOT-2	AJOT (MAIN)	16-02-20 (Sunday)	20-02-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	3	Full Syllabus
13	JPT-1	JEE (MAIN)	15-03-20 (Sunday)	19-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	3	Full Syllabus
14	JPT-2	JEE (MAIN)	22-03-20 (Sunday)	26-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	3	Full Syllabus
15	JPT-3	JEE (MAIN)	29-03-20 (Sunday)	02-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	3	Full Syllabus
16	JPT-1	JEE (ADV.)	26-04-20 (Sunday)	30-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	6	Full Syllabus
17	AJOT	JEE (ADV.)	03-05-20 (Sunday)	07-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	6	Full Syllabus
18	JPT-2	JEE (ADV.)	10-05-20 (Sunday)	14-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	6	Full Syllabus
<b>TOTAL TESTING HOURS</b>								<b>81</b>	

**Date of Reshuffling of Batches:** 01.09.2019

Note: 1. Students are advised to refer their notice board for test timings | 2. There 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.