



COURSE PLANNER CLASS-XIII | VIJAY (O2JR)

Course Concept

Course Concept : This course is for Class-XII passed students and prepares him for JEE (Advanced) exam, JEE (Main) syllabus will be covered by December 2019, so that student is well prepared for January 2020 attempt with January and February invested for detailed JEE (Advanced) preparation. In month of April / May student shall be revised the entire syllabus of JEE (Advanced).

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

SYLLABUS COMPLETION

JEE (Main) : 28-12-2019
JEE (Advanced): 06-03-2020

Course Start: 17.06.2019

Course End: 15.05.2020

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 37 Weeks
- ◆ Total Number of Lectures: 548 (P: 179 | C: 190 | M: 179)
- ◆ Duration of one lecture: 1.75 hrs = 105 minutes
- ◆ Total Duration of Classroom Teaching: 959 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 87 hrs
- ◆ Total Academic Hours in VIJAY Course: 1046 hrs

Target: JEE (Main+Advanced) 2020

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	17.06.19	PHYSICAL/ INORGANIC				1	Fundamental of Mathematics	12	17.06.19
2	Projectile Motion	3	21.06.19	1	Mole Concept	6	17.06.19	2	Quadratic Equation	7	03.07.19
3	Relative Motion	4	26.06.19	2	Quantum Mechanical Model of Atom	2	01.07.19	3	Relation, Function & ITF	13	12.07.19
4	Geometrical Optics	15	02.07.19	3	Periodic Table	3	03.07.19	4	Statistics	2	30.07.19
5	NLM	6	23.07.19	4	Real Gases	4	10.07.19	5	Sequence & Series	5	01.08.19
6	Friction	3	30.07.19	5	Chemical Bonding-I, II, III, IV & V	13	22.07.19	6	Matrices & Determinants	9	08.08.19
7	WPE	5	02.08.19	6	Chemical Equilibrium	6	21.08.19	7	Straight Line	10	21.08.19
8	Electrostatics	14	09.08.19	7	Ionic Equilibrium (Elementary)	6	02.09.19	8	Circle	7	02.09.19
9	Gravitation	4	28.08.19	8	Coordination Compounds	8	12.09.19	9	Limit Continuity & Derivability	11	10.09.19
10	Current Electricity	6	02.09.19	9	Electrochemistry	8	26.09.19	10	Application of Derivatives	14	21.09.19
11	Capacitance	7	10.09.19	10	Metallurgy	3	10.10.19	11	Mathematical Reasoning	2	07.10.19
12	Circular Motion	5	18.09.19	11	Qualitative Analysis-1	4	16.10.19	12	Conic Section	15	09.10.19
13	Centre of Mass	8	24.09.19		p-elements (N & O gases)	1	Topics will get discussed in first week after diwali break	13	Binomial Theorem	1	Topics will get discussed in first week after diwali break
14	RBD	12	03.10.19		p-block (B & C family)	1		14	P & C	1	
15	SHM	6	19.10.19		s-block element	1		15	Probability	1	
	Modern Physics-1	1	Topics will get discussed in first week after diwali break	12	p-block elements (H & N gases)	3	04.11.19	16	Indefinite Integration	6	05.11.19
	Nuclear Physics	1		13	Chemical Kinetics	8	07.11.19	17	Definite Integration & Its Application	13	14.11.19
	Fluid Mechanism	1		14	Solution & Colligative Properties	8	25.11.19	18	Differential Equation	5	28.11.19
	Surface Tension	1		15	Solid State	7	09.12.19	19	Vector & 3D	13	03.12.19
	Elasticity & Viscosity	1		16	Surface Chemistry	3	23.12.19	20	Complex No.	10	17.12.19
	KTG & Thermodynamics	1		17	Qualitative Analysis-2	4	13.01.20	21	Solution of Triangle	3	15.01.20
	Calorimetry & Thermal Expansion	1	18	s-block element	1	20.01.20	22	Binomial Theorem	5	21.01.20	
	Heat Transfer	1	19	p-block elements (N & O gases)	3	22.01.20	23	Permutation & Combination	9	03.02.20	
16	String Waves	5	11.11.19	20	Thermodynamics & Thermochemistry	7	29.01.20	24	Probability	4	20.02.20
17	Sound Wave	7	16.11.19	21	p-block (B & C family)	2	11.02.20				
18	Wave Optics	4	26.11.19	22	Equivalent Concept	3	17.02.20				
19	EM Wave	1	30.11.19	23	d block element	2	20.02.20				
20	Semiconductor	3	02.12.19	24	Ionic Equilibrium (Advanced)	3	25.02.20				
21	POC	2	05.12.19	ORGANIC							
22	EMF	7	07.12.19	1	IUPAC Nomenclature Structural Isomerism	5	17.06.19				
23	EMI	6	17.12.19	2	Structural Identification & POC	2	02.07.19				
24	Alternating Current	4	24.12.19	3	GOC-I & II	13	09.07.19				
25	Modern Physics-1	4	13.01.20	4	Stereoisomerism (Mains)	4	19.08.19				
26	Nuclear Physics	3	21.01.20	5	ORM-I & II	11	03.09.19				
27	Fluid Mechanism	3	25.01.20	6	Reduction, Oxidation & Hydrolysis	4	14.10.19				
28	Surface Tension	2	30.01.20		Carbonyl compound and acid derivatives	1	Topics will get discussed in first week after diwali break				
29	Elasticity & Viscosity	1	04.02.20		Biomolecules	1		2	Complex No.	10	17.12.19
30	KTG & Thermodynamics	7	06.02.20		Physical Prop. & Chem in Everyday Life	1		3	Solution of Triangle	3	15.01.20
31	Calorimetry & Thermal Expansion	2	20.02.20	7	ORM-III & IV	7	04.11.19	19	Binomial Theorem	5	21.01.20
32	Heat Transfer	6	24.02.20	8	Aromatic Compound	4	26.11.19	20	Permutation & Combination	9	03.02.20
33	Miscellaneous	2		9	Preparation of Hydro carbon	1	10.12.19	21	Probability	4	20.02.20
				10	Carbonyl Compound and Acid Derivatives	5	16.12.19	22	Miscellaneous	1	
				11	Biomolecules	4	20.01.20				
				12	Stereoisomerism (Advanced)	4	04.02.20				
				13	Physical Prop. & Chem.in Everyday Life	3	18.02.20				
Total No. of Lectures		179		Total No. of Lectures		190		Total No. of Lectures		179	

IMPORTANT: Revision Plan (JEE-Advanced) will start after first week of April 2020

DPP DISTRIBUTION & DISCUSSION SCHEDULE

S.No.	DATE	PHYSICS	CHEMISTRY	MATHS
1	17 Jun to 31 Aug 19	Module-A	Module-A	Module-A
2	02 Sep 19 to 06 Mar 20	Module-B	Module-B	Module-B

COUNSELING SESSIONS SCHEDULE*

WEEK
19 - 24 Aug 2019
14 - 19 October 2019
03 - 08 February 2020

RESONANCE EDUVENTURES LTD.

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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.)	14-07-19 (Sunday)	25-07-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics up to major formula	Mole Concept + Quantum Mechanical model of atom (QM/M) (All Cheminifos and Handouts Till date)	IUPAC Nomenclature & Structural isomerism & Structure Identification	Fundamentals of Mathematics, Quadratic Equation (upto nature of roots)	6
2	MCT-1	JEE (Main)	04-08-19 (Sunday)	14-08-19 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, NLM	Mole concept, QMM, Periodic Table & Real Gas, Chemical Bonding-1 (All Cheminifos and Handouts Till date)	IUPAC Nomenclature, Structural isomerism, Structure Identification & POC-I, GOC-I (upto Mesomeric effect)	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & IFF (Excepts Inverse Trigonometric function)	3
3	ACT-1	JEE (Adv.)	18-08-19 (Sunday)	29-08-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, NLM, Friction, WPE, Electrostatics up to electric field due to charged ring	Mole concept, QMM, Periodic Table & Real Gas, Chemical Bonding (upto Chemical Bonding-4) (All Cheminifos and Handouts Till date)	IUPAC Nomenclature, Structural isomerism, Structure Identification & POC-I, GOC-I	Fundamentals of Mathematics, Quadratic Equation, Function & IFF, Sequence & Series	6
4	MCT-2	JEE (Main)	08-09-19 (Sunday)	19-09-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics, NLM, Friction, WPE, Electrostatics, Gravitation, Current electricity up to Electric power and battery.	Mole concept, QMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium (All Cheminifos and Handouts Till date)	POC-I, GOC-I & GOC-II (upto Basic strength of organic compounds)	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & IFF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line	3
5	APT-2	JEE (Adv.)	06-10-19 (Sunday)	17-10-19 (Thursday)	Geometrical Optics, NLM, Friction, WPE, Electrostatics, Gravitation, Centre of mass up to Oblique collision.	Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium & Ionic Equilibrium (Elementary) (All Cheminifos and Handouts Till date)	POC-I, GOC-I & GOC-II, Stereoisomerism (Main)	Quadratic Equation, Function & IFF, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability (Up to Limits only)	6
6	MCT-3	JEE (Main)	24-11-19 (Sunday)	05-12-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative motion, GO, NLM, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM, Spring wave, Sound wave up to speed of sound waves	Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I, p-Block(Halogen & Noble gases) (All Cheminifos and Handouts Till date)	Stereoisomerism (Mains), ORM-I & ORM-II, Reduction, Oxidation	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & IFF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability, Mathematical Reasoning, Application of Derivatives, Conic Section, Indefinite Integration	3
7	APT-3	JEE (Adv.)	15-12-19 (Sunday)	26-12-19 (Thursday)	RBD, SHM, Spring wave, Sound wave, Wave optics, EMF up to Amperes law	Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I, p-Block(Halogen & Noble gases), Chemical Kinetics & Radioactivity & Solution & Colligative Properties (All Cheminifos and Handouts Till date)	ORM-I & ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III	Limits, Continuity & Derivability, Application of Derivatives, Conic Section, Indefinite integration, Definite Integration & Its Application, Differential Equation	6
11	AJOT-1	JEE (MAIN)	29-12-19 (Sunday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	MJMT-1	JEE (MAIN)	31-12-19 (Monday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
14	MJMT-2	JEE (MAIN)	02-01-20 (Thursday)	10-02-20 (Friday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
14	ACT-2	JEE (Adv.)	02-02-20 (Sunday)	13-02-20 (Thursday)	Rectilinear Motion, Projectile Motion, Relative motion, GO, NLM, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM, Spring wave, Sound wave, Wave optics, EMF, EMI, AC, Modern physics, Nuclear Physics, fluid mechanics up to fluid dynamics	Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I & II, p-Block Elements (Halogen & Noble gases), Chemical Kinetics & Radioactivity, Solution & Colligative Prop. & Surface Chemistry, s-block Elements, Solid State (All Cheminifos and Handouts Till date)	ORM-IV, Aromatic Compound, Preparation of Hydrocarbon, Carbonyl compounds (upto Condensation reaction)	Fundamentals of Mathematics, Quadratic Equation, Function & IFF, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability, Application of Derivatives, Conic Section, Indefinite integration, Definite integration & Its Application, Differential Equation, Vector & 3-D, Complex Number	6
15	AJOT-2	JEE (MAIN)	16-02-20 (Sunday)	20-02-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
15	MT	JEE (MAIN)	06-03-20 (Friday)	12-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
15	MT	JEE (Adv.)	08-03-20 (Sunday)	19-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
16	JPT-1	JEE (MAIN)	15-03-20 (Sunday)	19-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
17	JPT-2	JEE (MAIN)	22-03-20 (Sunday)	26-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
18	JPT-3	JEE (MAIN)	29-03-20 (Sunday)	02-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
19	JPT-1	JEE (ADV.)	26-04-20 (Sunday)	30-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
20	AJOT	JEE (ADV.)	03-05-20 (Sunday)	07-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
21	JPT-2	JEE (ADV.)	10-05-20 (Sunday)	14-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6

Date of Reshuffling of Batches: 01.09.2019

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.

TOTAL TESTING HOURS

87