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COURSE PLANNER

CLASS-XIII | VIJAY (JR**)

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

Course Start: **27.05.2019** | Syllabus End: **06.03.2020**

Target: JEE (Main+Advanced) 2020

TOTAL ACADEMIC HOURS

- **Course Duration:** 40 Weeks
- **Total Number of Lectures: 544** (P: 177 | C: 190 | M: 177)
- **Duration of one lecture:** 1.75 hrs = 105 minutes
- **Total Duration of Classroom Teaching:** 952 hrs
- **Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT):** 87 hrs
- **Total Academic Hours in VIJAY Course: 1039** hrs

SUBJECT WISE SYLLABUS PLAN

PHYSICS [P]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Rectilinear Motion	4	27.05.19
2	Projectile Motion	3	03.06.19
3	Relative Motion	4	06.06.19
4	Geometrical Optics	15	13.06.19
5	NLM	6	10.07.19
6	Friction	3	22.07.19
7	WPE	5	25.07.19
8	Electrostatistics	14	05.08.19
9	Gravitation	4	27.08.19
10	Current Electricity	6	02.09.19
11	Capacitance	7	10.09.19
12	Circular Motion	5	18.09.19
13	Centre of Mass	8	24.09.19
14	RBD	12	03.10.19
15	SHM	6	19.10.19
16	String Waves	5	11.11.19
17	Sound Wave	7	16.11.19
18	Wave Optics	4	26.11.19
19	EM Wave	1	30.11.19
20	Semiconductor	3	02.12.19
21	POC	2	05.12.19
22	EMF	7	07.12.19
23	EMI	6	17.12.19
24	Alternating Current	4	24.12.19
25	Modern Physics-1	5	13.01.20
26	Nuclear Physics	4	21.01.20
27	Fluid Mechanism	4	25.01.20
28	Surface Tension	3	30.01.20
29	Elasticity & Viscosity	2	04.02.20
30	KTG & Thermodynamics	8	06.02.20
31	Calorimetry & Thermal Expansion	3	20.02.20
32	Heat Transfer	7	24.02.20
Total No. of Lectures		**177**	

CHEMISTRY [C]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
	PHYSICAL/ INORGANIC		
1	Mole Concept	6	27.05.19
2	Quantum Mechanical Model of Atom	2	11.06.19
3	Periodic Table	3	18.06.19
4	Real Gases	4	25.06.19
5	Chemical Bonding-I, II, III, IV & V	13	09.07.19
6	Chemical Equilibrium	6	19.08.19
7	Ionic Equilibrium (Elementary)	6	02.09.19
8	Coordination Compounds	8	12.09.19
9	Electrochemistry	8	26.09.19
10	Metallurgy	3	10.10.19
11	Qualitative Analysis-1	4	16.10.19
12	p-block elements (H & N gases)	3	04.11.19
13	Chemical Kinetics	8	07.11.19
14	Qualitative Analysis-2	4	25.11.19
15	Solution & Colligative Properties	8	02.12.19
16	Surface Chemistry	3	17.12.19
17	s-block element	3	23.12.19
18	Solid State	6	13.01.20
19	p-block elements (N & O gases)	4	22.01.20
20	Thermodynamics & Thermochemistry	7	29.01.20
21	p-block (B & C family)	3	11.02.20
22	Equivalent Concept	3	17.02.20
23	d block element	2	20.02.20
24	Ionic Equilibrium (Advanced)	3	25.02.20
	ORGANIC		
1	IUPAC Nomenclature Structural Isomerism	5	27.05.19
2	Structural Identification & POC	2	17.06.19
3	GOC-I & II	12	25.06.19
4	Stereoisomerism (Mains)	5	13.08.19
5	ORM-I & II	11	03.09.19
6	Reduction, Oxidation & Hydrolysis	4	14.10.19
7	ORM-III & IV	7	04.11.19
8	Aromatic Compound	4	26.11.19
9	Preparation of Hydro carbon	1	10.12.19
10	Carbonyl Compound and Acid Derivatives	6	16.12.19
11	Biomolecules	5	20.01.20
12	Stereoisomerism (Advanced)	4	04.02.20
13	Physical Prop.& Chem.in Everyday Life	4	18.02.20
Total No. of Lectures		**190**	

MATHEMATICS [M]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Fundamental of Mathematics	12	27.05.19
2	Quadratic Equation	7	17.06.19
3	Relation, Function & ITF	13	27.06.19
4	Statistics	2	22.07.19
5	Sequence & Series	5	24.07.19
6	Matrices & Determinants	8	01.08.19
7	Straight Line	10	19.08.19
8	Cirlce	7	02.09.19
9	Limit Continuity & Derivability	11	10.09.19
10	Application of Derivatives	14	21.09.19
11	Mathematical Reasoning	2	07.10.19
12	Conic Section	15	09.10.19
13	Indefinite Integration	6	05.11.19
14	Definite Integration & Its Application	13	14.11.19
15	Differential Equation	5	28.11.19
16	Vector & 3D	13	03.12.19
17	Complex No.	10	17.12.19
18	Solution of Triangle	3	15.01.20
19	Binomial Theorum	6	21.01.20
20	Permutation & Combination	10	03.02.20
21	Probability	5	20.02.20
Total No. of Lectures		**177**	

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

DPP DISTRIBUTION & DISCUSSION SCHEDULE

S.No.	DATE	PHYSICS	CHEMISTRY	MATHS
1	27 May 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

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

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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		Mathematics	
						Physical/ Inorganic	Organic		
1	APT-1	JEE (Adv.)	30-06-19 (Sunday)	11-07-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative motion, Geometrical Optics up to mirror formula.	Mole Concept + Quantum Mechanical model of atom (QMM) (All ChemInfos and Handouts Till date)	IUPAC Nomenclature & Structural isomerism & Structure Identification	Fundamnetals 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 ChemInfos and Handouts Till date)	IUPAC Nomenclature, Structural isomerism, Structure Identification & POC-I, GOC-I (upto Mesomeric effect)	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & ITF (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 ChemInfos and Handouts Till date)	IUPAC Nomenclature, Structural isomerism, Structure Identification & POC-I, GOC-I	Fundamentals of Mathematics, Quadratic Equation, Function & ITF, 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 ChemInfos and Handouts Till date)	POC-I, GOC-I & GOC-II (upto Basic strength of organic compounds)	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & ITF, 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, Current electricity, Capacitance, Circular Motion, Centre of mass up to Oblique collision.	Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium & Ionic Equilibrium (Elementary) (All ChemInfos and Handouts Till date)	POC-I, GOC-I & GOC-II, Stereoisomerism (Mains)	Quadratic Equation, Function & ITF, 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, Capactiance, Circular Motion, Centre of mass, RBD, SHM, String wave, Sound wave up to speed of sound waves	Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (elemenatry), Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I, p-Block(Halogen & Noble gases) (All ChemInfos and Handouts Till date)	Stereoisomerism (Mains), ORM-I & ORM-II, Reduction, Oxidation	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & ITF, 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, String 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 & Qualitative Analysis-II(All ChemInfos 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	AIOT-1	JEE (MAIN)	29-12-19 (Sunday)	09-01-20 (Thursday)	Full Syallbus	Full Syallbus	Full Syallbus	Full Syallbus	3
12	MMT-1	JEE (MAIN)	31-12-19 (Monday)	09-01-20 (Thursday)		Full Syallbus	Full Syallbus	Full Syallbus	3
14	MMT-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, Capactiance, Circular Motion, Centre of mass, RBD, SHM, String 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 & Ionic Equilibrium (elemenatry), Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I, p-Block Elements (H & N gases), Chemical Kinetics & Radioactivity, Qualitative Analysis-II, Solution & Colligative Properties & Surface Chemistry, s-block Elements, Solid State (All ChemInfos and Handouts Till date)	ORM-IV, Aromatic Compound, Preparation of Hydrocarbon, Carbonyl compounds (upto Condensation reaction)	Fundamentals of Mathematics, Quadratic Equation, Function & ITF, 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	AIOT-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	AIOT	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
								TOTAL TESTING HOURS	**87**

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.