



COURSE PLANNER

CLASS-XIII | VISHESH (04JD)

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

Course Start: 06.05.2019 | Syllabus End: 28.12.2019

Target: JEE (Main+Advanced) 2020

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 33 Weeks
- ◆ Total Number of Lectures: 546 (P: 178 | C: 190 | M: 178)
- ◆ Duration of one lecture: 1.75 hrs = 105 minutes
- ◆ Total Duration of Classroom Teaching: 956 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 87 hrs
- ◆ Total Academic Hours in VISHESH Course: 1043 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	06.05.19	PHYSICAL/ INORGANIC				1	Fundamental of Mathematics	12	06.05.19
2	Projectile Motion	3	10.05.19	1	Mole Concept	6	06.05.19	2	Quadratic Equation	7	22.05.19
3	Relative Motion	6	15.05.19	2	Quantum Mechanical Model of Atom	2	20.05.19	3	Relation, Function & ITF	13	03.06.19
4	Geometrical Optics	21	23.05.19	3	Periodic Table	3	22.05.19	4	Statistics	2	20.06.19
5	NLM	6	24.06.19	4	Real Gases	4	28.05.19	5	Sequence & Series	5	24.06.19
6	Friction	3	01.07.19	5	Chemical Bonding-I, II, III, IV & V	12	05.06.19	6	Matrices & Determinants	9	29.06.19
7	WPE	5	04.07.19	6	Chemical Equilibrium	6	01.07.19	7	Straight Line	10	10.07.19
8	Electrostatics	16	10.07.19	7	Ionic Equilibrium (Elementary)	6	11.07.19	8	Circle	7	22.07.19
9	Gravitation	3	29.07.19	8	Coordination Compounds	8	23.07.19	9	Limit Continuity & Derivability	11	30.07.19
10	Current Electricity	7	01.08.19	9	Electrochemistry	8	06.08.19	10	Application of Derivatives	13	12.08.19
11	Capacitance	7	09.08.19	10	Metallurgy	3	26.08.19	11	Solution of Triangle	3	29.08.19
12	Circular Motion	4	20.08.19	11	Qualitative Analysis-1	5	02.09.19	12	Conic Section	15	02.09.19
13	Centre of Mass	7	24.08.19	12	p-block elements (H & N gases)	3	10.09.19	13	Indefinite Integration	6	20.09.19
14	RBD	11	02.09.19	13	Chemical Kinetics	7	16.09.19	14	Definite Integration & Its Application	13	27.09.19
15	SHM	7	17.09.19	14	Qualitative Analysis-2	5	27.09.19	15	Differential Equation	5	15.10.19
16	String Waves	5	25.09.19	15	Solution & Colligative Properties	7	07.10.19	16	Mathematical Reasoning	3	21.10.19
17	Sound Wave	7	01.10.19	16	Surface Chemistry	3	18.10.19	17	Vector & 3D	13	04.11.19
18	Wave Optics	4	10.10.19	17	s-block element	2	04.11.19	18	Complex No.	10	19.11.19
19	EM Wave	1	15.10.19	18	Solid State	6	06.11.19	19	Binomial Theorem	6	02.12.19
20	Semiconductor	3	16.10.19	19	p-block elements (N & O gases)	4	18.11.19	20	Permutation & Combination	10	09.12.19
21	POC	2	19.10.19	20	Thermodynamics & Thermochemistry	7	25.11.19	21	Probability	5	23.12.19
22	EMF	6	22.10.19	21	p-block (B & C family)	3	05.12.19				
23	EMI	6	08.11.19	22	Equivalent Concept	3	11.12.19				
24	Alternating Current	3	15.11.19	23	d block element	2	17.12.19				
25	Modern Physics	5	19.11.19	24	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	06.05.19				
28	Surface Tension	3	06.12.19	2	Structural Identification & POC	3	15.05.19				
29	Elasticity & Viscosity	1	10.12.19	3	GOC-I & II	16	27.05.19				
30	KTG & Thermodynamics	7	11.12.19	4	Stereoisomerism (Mains)	5	15.07.19				
31	Calorimetry & Thermal Expansion	3	20.12.19	5	ORM-I & II	11	30.07.19				
32	Heat Transfer	4	24.12.19	6	Reduction, Oxidation & Hydrolysis	4	02.09.19				
	Total No. of Lectures	178		7	ORM-III & IV	7	16.09.19				
	Total No. of Lectures	178		8	Aromatic Compound	4	08.10.19				
	Total No. of Lectures	190		9	Preparation of Hydrocarbon	1	04.11.19				
	Total No. of Lectures	178		10	Carbonyl Compound and Acid Derivatives	7	05.11.19				
	Total No. of Lectures	178		11	Biomolecules	3	02.12.19				
	Total No. of Lectures	178		12	Stereoisomerism (Advanced)	3	10.12.19				
	Total No. of Lectures	178		13	Physical Prop. & Chem. in Everyday Life	2	23.12.19				

- 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	06 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
03 - 08 June 2019
15 - 20 July 2019
14 - 19 October 2019

*Timings of 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	Physics		Chemistry		Mathematics	Testing Hours	
					Periodic Test Syllabus		Physical/ Inorganic				Organic
					Physics	Chemistry	Physical/ Inorganic	Organic			
1	APT-1	JEE (Adv.)	02-06-19 (Sunday)	13-06-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion.	Mole Concept + Quantum Mechanical model of atom (OMM) (All Chemistries and Handouts till date)	IUPAC Nomenclature & Structural isomerism & Structure identification	Fundamentals of Mathematics	6		
2	ACT-1	JEE (Adv.)	16-06-19 (Sunday)	27-06-19 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics upto prism.	Mole Concept + Quantum Mechanical model of atom (OMM) & Periodic Table & Real Gases (All Chemistries and Handouts till date)	IUPAC Nomenclature & Structural isomerism & Structure identification & POC-I, GOC-I (upto Stability of Resonating structure)	Fundamentals of Mathematics, Quadratic Equation	6		
3	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, OMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium (upto Homogeneous equilibrium) (All Chemistries and Handouts till date)	Structural isomerism, Structure Identification & POC-I, GOC-I & GOC-II (upto intermediate)	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & IF, Statistics, Sequence & Series	3		
4	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 Chemistries and Handouts till date)	POC-I, GOC-I & GOC-II, Stereoisomerism (upto Geometrical Isomers)	Quadratic Equation, Function & IF, Sequence & Series, Matrices & Determinant, Straight Line	6		
5	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, OMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry (upto Concentration cells) (All Chemistries and Handouts till date)	GOC-I & GOC-II, Stereoisomerism (Mains) ORM-I (upto Nucleophilic addition reaction)	Fundamentals of Mathematics, Quadratic Equation, Function & IF, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Differentiability (Upto Limits only)	6		
6	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, OMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy (All Chemistries and Handouts till date)	Stereoisomerism (Mains), ORM-I & ORM-II	Fundamentals of Mathematics; Quadratic Equation, Relation, Function & IF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Differentiability, Application of Derivatives	3		
7	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(Halogen & Noble gases) & Radioactivity (All Chemistries and Handouts till date)	ORM-I & ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III	Limits, Continuity & Differentiability, Application of Derivatives, Solution of Triangle, Conic Section, Indefinite Integration	6		
8	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, BMI, AC.	Mole concept, OMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, Qualitative Analysis-I, p-Block Elements (Halogen & Noble gases), Chemical Kinetics & Radioactivity, Qualitative Analysis-II, Solution & Colligative Properties & Surface Chemistry, s-block Elements, Solid State (All Chemistries and Handouts till date)	Reduction, Oxidation & Hydrolysis, ORM-III, Aromatic Compound, Preparation of Hydrocarbon & Carbonyl compounds (upto Condensation reaction)	Fundamentals of Mathematics, Quadratic Equation, Function & IF, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Differentiability, 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)	6		
9	APT-4	JEE (Adv.)	15-12-19 (Saturday)	26-12-19 (Thursday)	EMF, BMI, 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 Chemistries and Handouts till date)	Aromatic Compound, Preparation of Hydrocarbon, Carbonyl compounds & Acid & derivatives	Definite Integration & Its Application, Differential Equation, Vector & 3-D, Complex Number, Binomial Theorem	6		
10	AJOT-1	JEE (MAIN)	28-12-19 (Sunday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3		
11	MJMT-1	JEE (MAIN)	31-12-19 (Monday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3		
12	MJMT-2	JEE (MAIN)	02-01-20 (Thursday)	10-02-20 (Friday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3		
13	AJOT-2	AJOT (MAIN)	16-02-20 (Sunday)	20-02-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3		
14	JPT-1	JEE (MAIN)	15-03-20 (Sunday)	19-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3		
15	JPT-2	JEE (MAIN)	22-03-20 (Sunday)	26-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3		
16	JPT-3	JEE (MAIN)	29-03-20 (Sunday)	02-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3		
17	JPT-1	JEE (ADV.)	26-04-20 (Sunday)	30-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6		
18	AJOT	JEE (ADV.)	03-05-20 (Sunday)	07-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6		
19	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: 23.06.2019, 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