

COURSE PLANNER

CLASS-XII | VIJETA (04JPB)

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

Course Start: 08.04.2019 | Syllabus End: 27.11.2019*

Target: JEE (Main+Advanced) 2020



TOTAL ACADEMIC HOURS

- ◆ Course Duration: 33 Weeks
- ◆ Total Number of Lectures: 428 (P: 135 | C: 158 | M: 135)
- ◆ Duration of one lecture: 1.5/1.75 hrs = 90/105 minutes
- ◆ Total Duration of Classroom Teaching: 689.25 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 84 hrs
- ◆ Total Academic Hours in VIJETA Course: 773 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
				PHYSICAL/ INORGANIC							
1	Geometric Optics	18	08.04.19	1	Solution & Colligative Properties	8	08.04.19	1	Relation & Function	18	08.04.19
2	Electrostatics	19	04.05.19	2	Coordination Compound	10	24.04.19	2	Limit Continuity & Derivability	14	03.05.19
3	Gravitation	4	03.06.19	3	Solid State	7	15.05.19	3	MOD	3	27.05.19
4	Current Electricity	10	07.06.19	4	Electrochemistry	10	30.05.19	4	Application of Derivatives	15	30.05.19
5	Measurement & Error, Experiment	3	24.06.19	5	Metallurgy	5	24.06.19	5	Linear Programming	1	22.06.19
6	Heat Transfer	4	27.06.19	6	Qualitative Analysis (Anion)	6	03.07.19	6	Matrices & Determinants	11	24.06.19
7	Capacitance	9	04.07.19	7	Nitrogen & Oxygen	7	22.07.19	7	Indefinite Integration	7	10.07.19
8	EMF	13	17.07.19	8	Equivalent Concept & Titration	6	06.08.19	8	Definite Integration & Its Application	13	22.07.19
9	EMI	10	06.08.19	9	Halogen & Noble Gas	4	21.08.19	9	Differential Equation	6	08.08.19
10	Alternative Current	4	22.08.19	10	Chemical Kinetics	9	02.09.19	10	Probability	9	19.08.19
11	Modern Physics-1	10	02.09.19	11	Surface Chemistry	3	23.09.19	11	Vector & 3D	23	02.09.19
12	Nuclear Physics	6	23.09.19	12	Qualitative Analysis (Cation)	5	07.10.19	12	Binary Operation	2	04.11.19
13	Wave Optics	7	09.10.19	13	d-block Elements	3	16.10.19	13	Complex No.	13	06.11.19
14	Semiconductor	6	22.10.19	ORGANIC							
15	POC	2	12.11.19	1	Stereoisomerism	12	08.04.19				
16	EMW	1	14.11.19	2	ORM-I	8	08.05.19				
17	Buffer	09	18.11.19	3	ORM-II	8	03.06.19				
				4	Reduction, Oxidation & Hydrolysis	6	24.06.19				
				5	ORM-III	6	08.07.19				
				6	ORM-IV	5	22.07.19				
				7	Aromatic Compound	5	01.08.19				
				8	Carbonyl Comp., Carboxylic Acid & Acid Derivatives	8	13.08.19				
				9	Biomolecules & Polymers	8	02.09.19				
				10	Physical Prop., POC-II, Qualitative & Quantitative Analysis	9	07.10.19				
Total No. of Lectures		135		Total No. of Lectures		158		Total No. of Lectures		135	

IMPORTANT: 1. Revision Plan 1 (JEE-Main) will get distributed in last week of November 2019
 2. Revision Plan 2 (JEE-Advanced) will get distributed in second week of March 2020

DPP DISTRIBUTION & DISCUSSION SCHEDULE			RESONANCE BOARD WORKSHEET (RBW) SCHEDULE				COUNSELING SESSIONS SCHEDULE*	
S.No.	DATE	P/C/M	S.No.	PHYSICS	CHEMISTRY	MATHS	WEEK	
1.	08 Apr to 23 Jun 19	Module-A	1	29.04.2019	01.07.2019 (OC)	13.05.2019	03 - 08 June 2019	
2.	24 Jun to 01 Sep 19	Module-B	2	27.05.2019	03.07.2019 (PC)	17.06.2019	15 - 20 July 2019	
3.	02 Sep to 27 Nov 19	Module-C	3	21.07.2019	12.08.2019 (PC)	15.07.2019	14 - 19 October 2019	
			4	-	-	12.08.2019		

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*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		Chemistry		Mathematics	Testing Hours
					Physics	Mathematics	Physical/ Inorganic	Organic		
1	Scholarship Test	JEE (Adv.)	14-04-19 (Sunday)	25-04-19 (Thursday)	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	6
2	APT-1	JEE (Adv.)	19-05-19 (Sunday)	23-05-19 (Thursday)	Geometrical Optics, Electrostatics (Up to electric field), KTG & Thermodynamics, SHM, String wave, Sound waves, Calorimetry & Thermal expansion	Solution & Colligative Properties, Coordination Compound, Thermodynamics, s-Block Element & Ionic Equilibrium & ChemInfo (all date)	Stereoisomerism, IUPAC Nomenclature & structural isomerism, ABC-1 & 2	Relation & Function, Limits, Fundamentals of Mathematics-I & II, Trigonometry	Relation & Function, Limits, Fundamentals of Mathematics-I & II, Trigonometry	6
3	MCT-1	JEE (Main)	18-06-19 (Sunday)	20-06-19 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity (upto resistance), KTG & Thermodynamics, SHM, String wave, Sound waves, Calorimetry & Thermal expansion	Solution & Colligative Properties, Coordination Compound, Solid State, Electrochemistry, (Upto van Faraday's law of electrolysis, Cell's lead storage batteries & fuel cell), Gaseous state, Chemical Bonding,	Stereoisomerism, ORM-I, ORM-II (Only Electrophilic Aromatic substitution reaction), ABC - 3 & 4	Relation & Function, Limits, Continuity, Differentiability, Method of Differentiation, Application of Derivatives (Upto Monotonicity), Fundamentals of Mathematics-I & II, Trigonometry, Statistics, Mathematical Reasoning	Relation & Function, Limits, Continuity, Differentiability, Method of Differentiation, Application of Derivatives (Upto Monotonicity), Fundamentals of Mathematics-I & II, Trigonometry, Statistics, Mathematical Reasoning	3
4	APT-2	JEE (Adv.)	21-07-19 (Sunday)	01-08-19 (Thursday)	Gravitation, Current electricity, Measurement error & Experiments, Heat Transfer, Capacitance, Kinematics, N.M, Friction, WPE	Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block (13-14 group), Chemical Bonding, Mole concept.	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis & GOC - I	Continuity, Differentiability, Method of Differentiation, Application of Derivatives (Upto By Parts), Infinite Iteration (Upto By Parts), Straight Line, Circle, Conic Section	Continuity, Differentiability, Method of Differentiation, Application of Derivatives (Upto By Parts), Infinite Iteration (Upto By Parts), Straight Line, Circle, Conic Section	6
5	ACT-1	JEE (Adv.)	11-08-19 (Sunday)	22-08-19 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Measurement error & Experiments, Heat Transfer, Capacitance, EMF, Kinematics, N.M, Friction, WPE	Solution & Colligative Properties, Solid State, Coordination Compound, Electrochemistry, Metallurgy, Qualitative Analysis, (Only anion), p-Block (15-16 group), Chemical Equilibrium	Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III, ORM-IV & GOC - II	Relation & Function, Limits, Continuity, Differentiability, Method of Differentiation, Application of Derivatives, Matrices & Determinant, Indefinite Integration, Definite Integration & Its Application (Except Area under curves), Fundamentals of Mathematics-I & II, Trigonometry, Straight Line, Circle, Conic Section, Quadratic equation, Sequence & Series, Solution of Triangle	Relation & Function, Limits, Continuity, Differentiability, Method of Differentiation, Application of Derivatives, Matrices & Determinant, Indefinite Integration, Definite Integration & Its Application (Except Area under curves), Fundamentals of Mathematics-I & II, Trigonometry, Straight Line, Circle, Conic Section, Quadratic equation, Sequence & Series, Solution of Triangle	6
6	MCT-3 + BPT-2	JEE (Main) + Board	15-09-19 (Sunday)	26-09-19 (Thursday)	Geometrical optics, Electrostatics, Gravitation, Current electricity, Measurement error and experiments, Heat transfer, Capacitance, EMF, EM, AC, Modern Physics- upto matter waves, XI Syllabus complete	MCT-3: Sol. & Coll. Prop., Coordination Compound, Solid state, Electrochem, Metallurgy, Qual. Analysis (Only anion), p-Block (13-18 group), Equivalent concept & titrations, Chem. Kinetics BPT-2: Solution & Colligative Properties, Coordination Compound, solid state, Electrochemistry, Metallurgy, p-Block (15-18 group)	Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	Relation & Function, Limits, Cont., Differentiability, MOD, ADD, Mat.& Deter., Int. & Def. Int. & Its App., Diff. Eq., Prob., FOWI & II, Trigon., Straight Line, Circle, Conic Section, Seq. & Series, Quad. Eq., SOI, Statistics, MOD, Limit, Logarithm, Binomial Theorem, Limits, Continuity, Differentiability, Mean, G.O.C., J.M., S.Def. Int. & Its Application, Differential Equation, Probability	Relation & Function, Limits, Cont., Differentiability, MOD, ADD, Mat.& Deter., Int. & Def. Int. & Its App., Diff. Eq., Prob., FOWI & II, Trigon., Straight Line, Circle, Conic Section, Seq. & Series, Quad. Eq., SOI, Statistics, MOD, Limit, Logarithm, Binomial Theorem and P & C	6
7	APT-4	JEE (Adv.)	13-10-19 (Sunday)	24-10-19 (Thursday)	Capacitance, EMF, EM, AC, Modern Physics-1, Nuclear Physics, XI syllabus complete	Qualitative Analysis (Only anion), p-Block (13-18 group), Equivalent concept & titrations, Chemical Equilibrium, Atomic structure, periodic table, BN Chemical Kinetics, Surface Chemistry	ORM-IV, Aromatic Compound, Carbonyl Compounds, Carboxylic Acid & Acid Derivatives, Biomolecules	Definite Integration & Its Application, Differential Equation, Probability, Vector & 3-D (Except Straight Line & Plane), Binomial Theorem and P & C	Definite Integration & Its Application, Differential Equation, Probability, Vector & 3-D (Except Straight Line & Plane), Binomial Theorem and P & C	6
8	ACT-4	JEE (Adv.)	17-11-19 (Sunday)	28-11-19 (Thursday)	Complete XI & XII syllabus	Sol. & Coll. Prop., Solid State, Coord. Comp., Electrochem., Metallurgy, Qualitative Analysis, p-Block (15-18 group), Equi. Concept & Titrations, Chem. Kinetics, Surface Chemistry, s-block	Full Syllabus	Rel. & Funct., Limits, Cont., Differentiability, MOD, ADD, Mat. & Deter., Int. & Def. Int. & Its App., Diff. Eq., Prob., Vector & 3-D, Complex No., FOWI & II, Trigon., Straight Line, Circle, Conic Sec., Seq. & Series, Quad. Eq., SOI, Binomial Theorem and P & C	Rel. & Funct., Limits, Cont., Differentiability, MOD, ADD, Mat. & Deter., Int. & Def. Int. & Its App., Diff. Eq., Prob., Vector & 3-D, Complex No., FOWI & II, Trigon., Straight Line, Circle, Conic Sec., Seq. & Series, Quad. Eq., SOI, Binomial Theorem and P & C	6
9	MMT-1	JEE (Main)	26-12-19 (Thursday)	02-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
10	AMT-1	JEE (Adv.)	28-12-19 (Saturday)	02-01-20 (Thursday)	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	6
11	A1OT-1	JEE (MAIN)	29-12-19 (Sunday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	A1OT-2	JEE (MAIN)	16-02-19 (Sunday)	20-02-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
13	JPT-1	JEE (Main)	15-03-20 (Sunday)	19-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
14	JPT-2	JEE (Main)	22-03-20 (Sunday)	26-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
15	JPT-3	JEE (MAIN)	29-03-20 (Sunday)	02-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
16	JPT-1 (Advanced)	JEE (Advanced)	26-04-20 (Sunday)	30-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
17	A1OT (Advanced)	JEE (Advanced)	03-05-20 (Sunday)	07-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
18	JPT-2 (Advanced)	JEE (Advanced)	10-05-20 (Sunday)	14-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6

Date of Reshuffling of Batches: 23.06.2019, 02.09.2019

- 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/ CIs (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

84