

# COURSE PLANNER

## CLASS-XII | VIJETA (01JPA)

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

Course Start: 26.12.2018

Syllabus End: 30.11.2019

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	Geometric Optics	22	26.12.18	PHYSICAL/ INORGANIC			1	Relation & Function	20	26.12.19	
2	Electrostatics	24	31.01.19	1	Solution & Colligative Properties	10	26.12.18	2	Limit Continuity & Derivability	17	29.01.19
3	Gravitation	5	22.04.19	2	Coordination Compound	13	21.01.19	3	MOD	4	03.04.19
4	Current Electricity	12	02.05.19	3	Solid State	10	01.04.19	4	AOD	19	15.04.19
5	Measurement & Error, Experiment	3	27.05.19	4	Electrochemistry	12	24.04.19	5	Linear Programming	3	21.05.19
6	Heat Transfer	4	01.06.19	5	Metallurgy	5	27.05.19	6	Matrices & Determinants	13	27.05.19
7	Capacitance	10	10.06.19	6	Qualitative Analysis (Anion)	6	11.06.19	7	Indefinite Integration	8	19.06.19
8	EMF	14	27.06.19	7	Nitrogen & Oxygen	7	02.07.19	8	Definite Integration & Its Application	13	04.07.19
9	EMI	11	24.07.19	8	Equivalent Concept & Titration	6	29.07.19	9	Differential Equation	8	30.07.19
10	Alternative Current	5	14.08.19	9	Halogen & Noble Gas	4	19.08.19	10	Probability	10	16.08.19
11	Modern Physics-1	10	02.09.19	10	Chemical Kinetics	9	02.09.19	11	Vector & 3D	23	02.09.19
12	Nuclear Physics	6	23.09.19	11	Surface Chemistry	3	23.09.19	12	Binary Operation	2	04.11.19
13	Wave Optics	7	09.10.19	12	Qualitative Analysis (Cation)	5	07.10.19	13	Complex No.	13	06.11.19
14	Semiconductor	6	22.10.19	13	d-block Elements	3	16.10.19				
15	POC	2	12.11.19	ORGANIC							
16	EMW	1	14.11.19	1	Stereoisomerism	14	26.12.18				
17	Buffer	11	18.11.19	2	ORM-I	10	12.02.19				
				3	ORM-II	9	23.04.19				
				4	Reduction, Oxidation & Hydrolysis	8	27.05.19				
				5	ORM-III	6	19.06.19				
				6	ORM-IV	6	08.07.19				
				7	Aromatic Compound	6	22.07.19				
				8	Carbonyl Comp., Carboxylic Acid & Acid Derivatives	8	06.08.19				
				9	Biomolecules & Polymers	8	02.09.19				
				10	Physical Prop., POC-II, Qualitative & Quantitative Analysis	9	07.10.19				
<b>Total No. of Lectures</b>		<b>153</b>		<b>Total No. of Lectures</b>		<b>177</b>		<b>Total No. of Lectures</b>		<b>153</b>	

### DPP DISTRIBUTION SCHEDULE

S.No.	DATE	WEEK	PHYSICS	CHEMISTRY	MATHEMATICS
1.	26.12.18	W-1	Module-A	Module-A	Module-A
2.	27.05.19	W-23	Module-B	Module-B	Module-B
3.	02.09.19	W-37	Module-C	Module-C	Module-C

### PSYCHOLOGICAL COUNSELING SESSION\*

WEEK
<b>06 - 11 May 2019</b>
<b>22 - 27 July 2019</b>
<b>14 - 19 October 2019</b>

\*Timings of Psychological 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
						Physical/ Inorganic	Organic		
1	APT-1	JEE (Adv.)	20-01-19 (Sunday)	24-01-19 (Thursday)	Geometrical Optics upto refraction at Spherical surface, KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solutions & Colligative Properties, Ionic Equilibrium, & Cheminfo (full date)	Geometrical Isomerism & Optical isomerism (Only Chiral atom & configurational nomenclature), IUPAC Nomenclature & structural isomerism	Function (Except Inverse Function), Fundamentals of Mathematics-I & II, Trigonometry	6
2	AIDT	JEE (Main)	10-02-19 (Sunday)	21-02-19 (Thursday)	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	3
3	ACT-1	JEE (Adv.)	24-02-19 (Sunday)	07-03-19 (Thursday)	Geometrical Optics, Electrostatics upto electric potential, KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination compound, Thermodynamics, s-Block element & Ionic Equilibrium & Cheminfo (full date)	Stereoisomerism & ABC - 1 & 2	Relation & Function, Limits, Continuity, Fundamentals of Mathematics-I & II, Trigonometry	6
4	Scholarship Test	JEE (Adv.)	14-04-19 (Sunday)	25-04-19 (Thursday)	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	6
5	APT-2	JEE (Adv.)	28-04-19 (Sunday)	09-05-19 (Thursday)	Geometrical Optics, Electrostatics, KTG and Thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Coordination Compound, Solid State, Chemical Bonding, p-Block (Boron, Carbon Family)	Stereoisomerism, ORM-I, ABC - 3 & 4	Inverse Function, Limits, Continuity, Differentiability, Method of Differentiation, Application of Derivatives (Upto tangent-Normal), Straight Line, Circle, Conic Section	6
6	MCT-1	JEE (Main)	12-05-19 (Sunday)	23-05-19 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity upto resistance, Kinematics, NLM, Friction, WPE	Solution & Colligative Properties, Coordination Compound, Solid State, Electrochemistry, Metallurgy (up to Extraction of Cu, Pb, Sn, Zn, Ag & Al), Thermodynamics	Stereoisomerism, ORM-I & GOC-I	Relation & Function, Limits, Continuity, Differentiability, Method of Differentiation, AOD (Upto Monotonicity), FOM-I & II, Ingonometry, Straight Line, Circle, Conic Section, Statistics, Mathematical Reasoning	3
7	ACT-2	JEE (Adv.)	09-06-19 (Sunday)	20-06-19 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Measurement error and experiment, Heat transfer, Heat transfer, Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD	Solution & Colligative Properties, Coordination Compound, Solid state, Electrochemistry, Metallurgy (up to Extraction of Cu, Pb, Sn, Zn, Ag & Al), Thermodynamics	Stereoisomerism, ORM-I & ORM-II	Relation & Function, Limits, Continuity, Derivability, MOD, AOD, Matrices & Determinant (Upto Symmetric & Skew Symmetric), FOM-I & II, Trigonometry, Straight Line, Circle, Conic Section	6
8	MCT-2 + BPT-1	JEE(Main) + Board	30-06-19 (Sunday)	11-07-19 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Measurement error and experiment, Heat transfer, Capacitance, Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD	MCT-2 (Main): Solution & Colligative Properties, Coordination Compound, solid state, Electrochemistry, Metallurgy (p-Block (13-14), Qualitative analysis (Oxidation up to p-Block group)) BPT-1: Solution & Colligative Properties, Coordination Compound, solid state, Electrochemistry, Metallurgy	Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis	Relation & Function, Limits, Continuity, Differentiability, MOD, AOD, Matrices & Determinant (Upto Integration (Upto Bv parts)), FOM-I & II, Trigonometry, Straight Line, Circle, Conic Section, Statistics, Mathematical Reasoning, BPT: Relation & Function, Limits, Continuity, MOD, AOD, Linear Programming, Vectors & Determinant	6
9	APT-3	JEE (Adv.)	21-07-19 (Sunday)	01-08-19 (Thursday)	Gravitation, Current electricity, Measurement error and experiment, Heat transfer, Capacitance, EMF upto magnetic dipole, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and viscosity, surface tension	Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block (13-15 group), Chemical Bonding, Mole concept	ORM-II, Reduction, Oxidation, Hydrolysis, ORM-II	AOD, Matrices & Determinant, Indefinite Integration, Definite integration (Upto Properties of Definite integrals), Sequence & Series, Quadratic Equation, Solution of Triangle	6
10	ACT-3	JEE (Adv.)	11-08-19 (Sunday)	22-08-19 (Thursday)	Geometrical optics, Electrostatics, Gravitation, Current electricity, Measurement and error and experiments, Heat transfer, Capacitance, NLM, Friction, WPE, Circular motion, Centre of Mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions	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, Derivability, MOD, AOD, Its Application (Except Area under curves), FOM-I & II, Trigonometry, Straight Line, Circle, Conic Section, Quadratic Equation, Sequence & Series, SPT	6
11	MCT-3 + BPT-2	JEE(Main) + Board	15-09-19 (Sunday)	26-09-19 (Thursday)	Geometrical optics, Electrostatics, Gravitation, Current electricity, Measurement and error and experiments, Heat transfer, Capacitance, EMF, EMI, 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, AOD, Matr.& Deter., Ind. & Def. Int. & Its App., Diff. Eq., Prob., FOM-I & II, Ingon., Statistics, Math. Reasoning, BPT: Relation & Function, Limits, Continuity, MOD, AOD, Linear Prog., Matr. & Deter., Ind. & Def. Int. & Its Application, Differential Equation, Probability	6
12	APT-4	JEE (Adv.)	13-10-19 (Sunday)	24-10-19 (Thursday)	Capacitance, EMF, EMI, AC, Modern Physics-I, Nuclear Physics, XI syllabus complete	Qualitative Analysis (Only anion), p-Block (19-18 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	6
13	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 (15-16 group), Equi. Concept & Titrations, Chem. Kinetics, Surface Chemistry, p-block	Full Syllabus	Rel. & Funct., Limits, Cont., Differentiability, MOD, AOD, Mat. & Deter., Ind. & Def. Int. & Its App., Diff. Eq., Prob., Vector & 3-D, Complex No. FOM-I & II, Trigon., Straight Line, Circle, Conic Sec., Sect. & Series, Quad. Eq., SOT, Binomial Theorem and P & C	6
14	MIMT-1	JEE (Main)	26-12-19 (Thursday)	02-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
15	AMT-1	JEE (Adv.)	28-12-19 (Saturday)	02-01-20 (Thursday)	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	6
16	AIDT-1	JEE (Main)	29-12-19 (Sunday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
17	BPT-MT	BPT (Mats)	30-12-19 (Monday)	09-01-20 (Thursday)	XII Syllabus	XII Syllabus	XII Syllabus	Full Syllabus	3
18	BPT-MT	BPT (Phy/Chem.)	01-01-20 (Wednesday)	10-01-20 (Friday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
19	AIDT-2	AIDT (Main)	16-02-20 (Sunday)	20-02-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3

**Date of Reshuffling of Batches:** 27.05.2019, 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/ 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**

**96**