

**5 MONTHS OF INTENSIVE PREPARATION
OF ENTIRE SYLLABUS**

TARGET:

JEE (MAIN) JANUARY 2020

Course Start: August 5, 2019 | **Course End:** January 4, 2020



**A COMPACT COURSE (CC)
DURATION: 21 WEEKS**

COURSE PLANNER

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	ELECTROSTATICS	8	05-08-19	PHYSICAL / INORGANIC			1	FUNDAMENTALS OF MATHEMATICS	7	05-08-19		
2	GRAVITATION	2	16-08-19	1	MOLE CONCEPT	2	05-08-19	2	SEQUENCE & SERIES	4	14-08-19	
3	CURRENT ELECTRICITY	5	19-08-19	2	QUANTUM NUMBERS	1	07-08-19	3	QUADRATIC EQUATION	4	20-08-19	
4	CAPACITANCE	4	26-08-19	3	PERIODIC TABLE	2	12-08-19	4	TRIGONOMETRY	3	26-08-19	
5	EMF	6	30-08-19	4	GASEOUS STATE	2	14-08-19	5	SOLUTION OF TRIANGLE	2	29-08-19	
6	EMI	6	06-09-19	5	CHEMICAL BONDING	6	20-08-19	6	STRAGHT LINE	6	31-08-19	
7	ALTERNATING CURRENT	3	14-09-19	6	CHEMICAL EQUILIBRIUM	3	02-09-19	7	CIRCLE	5	09-09-19	
8	MEASUREMENT ERROR & EXPERIMENTS	2	18-09-19	7	IONIC EQUILIBRIUM	4	09-09-19	8	SET, RELATION & FUNCTIONS	8	14-09-19	
9	KINEMATICS	4	20-09-19	8	COORDINATION COMPOUNDS	5	16-09-19	9	LIMIT, CONTINUITY & DERIVABILITY	6	25-09-19	
10	NEWTON'S LAWS OF MOTION	4	26-09-19	9	ELECTROCHEMISTRY	6	25-09-19	10	FUNDAMENTALS OF CONICS	2	02-10-19	
11	FRICTION	3	01-10-19	10	METALLURGY	3	08-10-19	11	TANGENT NORMAL & ITS APPLICATIONS IN CONICS	7	04-10-19	
12	WORK, POWER & ENERGY	4	04-10-19	11	S-BLOCK ELEMENTS	2	14-10-19	12	STATISTICS	2	14-10-19	
13	CIRCULAR MOTION	4	10-10-19	12	P-BLOCK ELEMENTS (13 & 4 GROUPS)	2	16-10-19	13	APPLICATION OF DERIVATIVES	6	21-10-19	
14	GEOMETRICAL OPTICS	7	15-10-19	13	EQUIVALENT CONCEPT	2	22-10-19	14	INDEFINITE INTEGRATION	3	05-11-19	
15	MODERN PHYSICS-I	3	04-11-19	14	CHEMICAL KINETICS	4	05-11-19	15	DEFINITE INTEGRATION & ITS APPLICATION	5	08-11-19	
16	NUCLEAR PHYSICS	2	07-11-19	15	P-BLOCK ELEMENTS (15 & 16 GROUPS)	3	13-11-19	16	DIFFERENTIAL EQUATION	3	14-11-19	
17	CENTRE OF MASS	4	11-11-19	16	SOLUTION & COLLAGATIVE PROPERTIES	4	19-11-19	17	MATRICES & DETERMINANT	4	18-11-19	
18	RIGID BODY DYNAMICS	7	15-11-19	17	SURFACE CHEMISTRY	3	27-11-19	18	VECTORS & 3-D	8	22-11-19	
19	SIMPLE HARMONIC MOTION	4	25-11-19	18	SOLID STATE	4	03-12-19	19	COMPLEX NUMBER	6	03-12-19	
20	STRING WAVES	3	29-11-19	19	P-BLOCK ELEMENTS (17 & 18 GROUPS)	2	10-12-19	20	BINOMIAL THEOREM	3	10-12-19	
21	SOUND WAVE	3	03-12-19	20	THERMODYNAMIC & THERMOCHEMISTRY	6	16-12-19	21	PERMUTATION & COMBINATION	7	13-12-19	
22	WAVE OPTICS	3	06-12-19	21	D & F-BLOCK ELEMENTS	2	30-12-19	22	PROBABILITY	4	23-12-19	
23	FLUID MECHANICS	3	10-12-19	ORGANIC			1	05-08-19	23	MATHEMATICAL REASONING	2	31-12-19
24	KTG & THERMODYNAMICS	3	13-12-19	1	IUPAC NOMENCLATURE & STRUCTURAL ISOMERISM	2	05-08-19					
25	CALORIMETRY & THERMAL EXPANSION	2	18-12-19	2	STRUCTURE IDENTIFICATION	1	12-08-19					
26	HEAT TRANSFER	2	20-12-19	3	POC-I	1	13-08-19					
27	SOLID & SEMICONDUCTORS	2	23-12-19	4	POC-II	1	19-08-19					
28	EMW	1	25-12-19	5	REDUCTION, OXIDATION & HYDROLYSIS REACTIONS	3	20-08-19					
29	POC	1	30-12-19	6	STEREISOMERISM	4	02-09-19					
30	ELASTICITY & VISCOSITY	1	31-12-19	7	GENERAL ORGANIC CHEMISTRY-I	5	16-09-19					
31	SURFACE TENSION	1	01-01-20	8	GENERAL ORGANIC CHEMISTRY-II	4	01-10-19					
				9	REACTION MECHANISMS (ORM-I)	3	15-10-19					
				10	REACTION MECHANISM (ORM-II) (HYDROCARBON)	3	05-11-19					
				11	AROMATIC COMPOUNDS	1	18-11-19					
				12	REACTION MECHANISM (ORM-III)	2	19-11-19					
				13	REACTION MECHANISM (ORM-IV)	2	26-11-19					
				14	ALDEHYDES, KETONES, CARBOXYLIC ACIDS & DERIVATIVES	3	03-12-19					
				15	BIOMOLECULES	2	16-12-19					
				16	POLYMERS & CHEMISTRY IN EVERYDAY LIFE	1	23-12-19					
				17	ENVIRONMENTAL CHEMISTRY	1	30-12-19					
Total No. of Lectures		107		Total No. of Lectures		107		Total No. of Lectures		107		

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture			Total No. of Lectures	
	From	To	P	C			
				P/I	O		
W1	05/08	10/08	5	3	2	5	15
W2	12/08	17/08	5	3	2	5	15
W3	19/08	24/08	5	3	2	5	15
W4	26/08	31/08	6	4	2	6	18
W5	02/09	07/09	5	3	2	5	15
W6	09/09	14/09	6	4	2	6	18
W7	16/09	21/09	5	3	2	5	15
W8	23/09	28/09	6	4	2	6	18

Week No.	Week Duration		No. of Lecture			Total No. of Lectures	
	From	To	P	C			
				P/I	O		
W9	30/09	05/10	5	3	2	5	15
W10	07/10	12/10	6	4	2	6	18
W11	14/10	19/10	5	3	2	5	15
W12	21/10	26/10	3	2	1	3	9
W13	28/10	02/11	0	0	0	0	0
W14	04/11	09/11	5	3	2	5	15
W15	11/11	16/11	6	4	2	6	18
W16	18/11	23/11	5	3	2	5	15

Week No.	Week Duration		No. of Lecture			Total No. of Lectures	
	From	To	P	C			
				P/I	O		
W17	25/11	30/11	6	4	2	6	18
W18	02/12	07/12	6	4	2	6	18
W19	09/12	14/12	5	3	2	5	15
W20	16/12	21/12	6	4	2	6	18
W21	23/12	28/12	3	2	1	3	9
W22	30/12	04/01	3	2	1	3	9

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	First Display (Notice Board) & Communication to parent with Centre Rank	Display & Communication of Final Result with All Resonance Rank (ARR)	Uploading of Result on Resonance Website	Periodic Test Syllabus				Testing Hours
							Physics	Chemistry		Mathematics	
								Physical/ Inorganic	Organic		
1	MPT-1	JEE (MAIN)	19-08-19 (MONDAY)	Within 4 (four) Days of Test Conduction	Within 1 Week of Test Conduction	Within 2 Weeks of Test Conduction	Electrostatics, Gravitation	Mole Concept	Nomenclature & Structural Isomerism	FOM	3
2	MCT-1	JEE (MAIN)	02-09-19 (MONDAY)				Electrostatics, Gravitation, Current Electricity, Capacitance	Mole concept, QMM, Periodic Table	Nomenclature, Structural Isomerism, Structure Identification, POC & Reduction	FOM, Sequence and Series, Quadratic Equation, Trigonometry	3
3	MPT-2	JEE (MAIN)	16-09-19 (MONDAY)				Current Electricity, Capacitance, EMF, EMI	QMM, Gaseous chemical, Periodic Table, Bonding up to hybrid sation	POC, Reduction, Oxidation Hydrolysis Reactions & Stereoisomerism (upto GI)	Sequence & Series, Quadratic Equation, Trigonometry, Solution of Triangle, Straight Line, Circle (Up to tangent)	3
4	MCT-2	JEE (MAIN)	30-09-19 (MONDAY)				Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI, Alternating Current, Kinematics, Newton's Laws of Motion	Mole concept, QMM, Real Gas, Chemical Bonding, Chemical equilibrium.	POC, Reduction, Oxidation, Hydrolysis Reactions & Stereoisomerism	FOM, Sequence and Series, Quadratic Equation, Trigonometry, Solution of Triangle, Straight Line, Circle, Sets, Relation & Function	3
5	MPT-3	JEE (MAIN)	14-10-19 (MONDAY)				Alternating Current, Kinematics, Newton's Laws of Motion, Friction, Work, Power & Energy	Chemical equilibrium, Ionic equilibrium, Coordination compound.	Reduction, oxidation, Stereoisomerism, General Organic Chemistry-I	Circle, Sets Relation & Function, Limit, Continuity & Derivability, Fundamental of Conics	3
6	MCT-3	JEE (MAIN)	18-11-19 (MONDAY)				Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI, Alternating Current, Kinematics, Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion, Geometrical Optics	Mole concept, QMM, Real Gas, Chemical Bonding, Chemical equilibrium, Ionic, co-ordination compound, Electrochemistry	Structural Isomerism, Structure Identification, POC, Reduction, Oxidation, Hydrolysis Reactions, Stereoisomerism, General Organic Chemistry-I & II, ORM-I	FOM, Sequence and Series, Quadratic Equation, Trigonometry, Solution of Triangle, Straight Line, Circle, Sets, Relation and Function, Limit, Continuity & Derivability, Fundamental of conic, Tangent normal & its application in conics, Statistics, Application of Derivatives, Indefinite Integration	3
7	MPT-4	JEE (MAIN)	09-12-19 (MONDAY)				Circular Motion, Geometrical Optics, Modern Physics-I, Nuclear Physics, Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion, String Waves, Sound Wave.	'Electrochemistry, co-ordination compound, metallurgy, p-block, s-block	'Reaction Mechanism (ORM-I,II,III)	Tangent normal and Its Application in Conic, Statistics, Application of Derivatives, Indefinite Integration, Definite Integration, Differential Equation, Matrices and Determiant, Vector and 3D	3
8	MMT-1	JEE (MAIN)	26-12-19				Full syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
9	AIOT-1	JEE (MAIN)	29-12-19				Full syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
10	MMT-2	JEE (MAIN)	02-01-20				Full syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
										Total Testing Hours	30

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 for re-evaluation in two working days after first display of result.

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