Excelling in IIT-JEE Since 2001...

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JEE (MAIN) DIVISION

EXPERIENCE WITH US — EXCLUSIVITY | EXPERTISE | EXCELLENCE

Academic Session: 2019-20

4 MONTHS OF INTENSIVE PREPARATION OF ENTIRE SYLLABUS

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A COMPACT COURSE (CC) | DURATION: 17 WEEKS

TARGET: JEE (MAIN) JANUARY 2020

Course Start: September 2, 2019 | **Course End:** January 4, 2020

COURSE PLANNER

SUBJECT WISE SYLLABUS PLAN

PHYSICS [P]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	ELECTROSTATICS	8	02-09-19
2	GRAVITATION	2	11-09-19
3	CURRENT ELECTRICITY	5	13-09-19
4	CAPACITANCE	4	19-09-19
5	EMF	6	24-09-19
6	EMI	6	01-10-19
7	ALTERNATING CURRENT	3	08-10-19
8	MEASUREMENT ERROR & EXPERIMENTS	2	11-10-19
9	KINEMATICS	3	14-10-19
10	NEWTON'S LAWS OF MOTION	3	17-10-19
11	FRICTION	3	22-10-19
12	WORK, POWER & ENERGY	2	04-11-19
13	CIRCULAR MOTION	2	06-11-19
14	GEOMETRICAL OPTICS	7	08-11-19
15	MODERN PHYSICS-I	2	18-11-19
16	NUCLEAR PHYSICS	2	20-11-19
17	CENTRE OF MASS	3	22-11-19
18	RIGID BODY DYNAMICS	6	26-11-19
19	SIMPLE HARMONIC MOTION	3	03-12-19
20	STRING WAVES	2	06-12-19
21	SOUND WAVE	2	09-12-19
22	WAVE OPTICS	2	11-12-19
23	FLUID MECHANICS	2	13-12-19
24	KTG & THERMODYNAMICS	3	16-12-19
25	CALORIMETRY & THERMAL EXPANSION	2	19-12-19
26	HEAT TRANSFER	2	21-12-19
27	SOLID & SEMICONDUCTORS	2	24-12-19
28	EMW	2	26-12-19
29	POC	1	28-12-19
30	ELASTICITY & VISCOSITY	2	30-12-19
31	SURFACE TENSION	2	01-01-20
	Total No. of Lectures	**96**	

CHEMISTRY [C]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
	PHYSICAL / INORGANIC		
1	MOLE CONCEPT	2	02-09-19
2	QUANTUM NUMBERS	1	04-09-19
3	PERIODIC TABLE	2	05-09-19
4	GASEOUS STATE	2	10-09-19
5	CHEMICAL BONDING	6	12-09-19
6	CHEMICAL EQUILIBRIUM	3	24-09-19
7	IONIC EQUILIBRIUM	4	30-09-19
8	COORDINATION COMPOUNDS	5	07-10-19
9	ELECTROCHEMISTRY	5	15-10-19
10	METALLURGY	3	04-11-19
11	s-BLOCK ELEMENTS	2	11-11-19
12	p-BLOCK ELEMENTS (13 & 4 GROUPS)	2	13-11-19
13	EQUIVALENT CONCEPT	2	18-11-19
14	CHEMCIAL KINETICS	3	20-11-19
15	p-BLOCK ELEMENTS (15 & 16 GROUPS)	3	26-11-19
16	SOLUTION & COLLIGATIVE PROPERTIES	3	02-12-19
17	SURFACE CHEMISTRY	2	05-12-19
18	SOLID STATE	3	10-12-19
19	p-BLOCK ELEMENTS (17 & 18 GROUPS)	2	16-12-19
20	THERMODYNAMIC & THERMOCHEMISTRY	6	18-12-19
21	d & f-BLOCK ELEMENTS	2	30-12-19
	ORGANIC		
1	IUPAC NOMENCLATURE & STRUCTURAL ISOMERISM	2	02-09-19
2	STRUCTURE IDENTIFICATION	1	09-09-19
3	POC-I	1	10-09-19
4	POC-II	1	16-09-19
5	REDUCTION, OXIDATION & HYDROLYSIS REACTIONS	3	17-09-19
6	STEREOISOMERISM	4	30-09-19
7	GENERAL ORGANIC CHEMISTRY-I	4	14-10-19
8	GENERAL ORGANIC CHEMISTRY-II	4	05-11-19
9	REACTION MECHANISMS (ORM-I)	3	19-11-19
10	REACTION MECHANISM (ORM-II) (HYDROCARBON)	2	02-12-19
11	AROMATIC COMPOUNDS	1	09-12-19
12	REACTION MECHANISM (ORM-III)	2	10-12-19
13	REACTION MECHANISM (ORM-IV)	1	17-12-19
14	ALDEHYDES, KETONES, CARBOXYLIC ACIDS & DERIVATIVES	2	23-12-19
15	BIOMOLECULES	1	30-12-19
16	POLYMERS & CHEMISTRY IN EVERYDAY LIFE ENVIRONMENTAL CHEMISTRY	1	31-12-19
	Total No. of Lectures	**96**	

MATHEMATICS [M]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	FUNDAMENTALS OF MATHEMATICS	7	02-09-19
2	SEQUENCE & SERIES	3	09-09-19
3	QUADRATIC EQUATION	4	12-09-19
4	TRIGONOMETRY	3	18-09-19
5	SOLUTION OF TRIANGLE	1	22-09-19
6	STRAGHT LINE	6	23-09-19
7	CIRCLE	4	30-09-19
8	SET, RELATION & FUNCTIONS	8	04-10-19
9	LIMIT, CONTINUITY & DERIVABILITY	5	14-10-19
10	FUNDAMENTALS OF CONICS	2	20-10-19
11	TANGENT NORMAL & ITS APPLICATIONS IN CONICS	7	22-10-19
12	STATISTICS	2	11-11-19
13	APPLICATION OF DERIVATIVES	4	13-11-19
14	INDEFINITE INTEGRATION	3	18-11-19
15	DEFINITE INTEGRATION & ITS APPLICATION	5	21-11-19
16	DIFFERENTIAL EQUATION	3	27-11-19
17	MATRICES & DETERMINANT	4	01-12-19
18	VECTORS & 3-D	8	05-12-19
19	COMPLEX NUMBER	5	15-12-19
20	BINOMIAL THEOREM	2	20-12-19
21	PERMUTATION & COMBINATION	5	23-12-19
22	PROBABILITY	3	29-12-19
23	MATHEMATICAL REASONING	2	01-01-20
	Total No. of Lectures	**96**	

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C		M	
				P/I	O		
W1	02/09	07/09	6	4	2	6	18
W2	09/09	14/09	6	4	2	6	18
W3	16/09	21/09	6	4	2	6	18
W4	23/09	28/09	6	4	2	6	18
W5	30/09	05/10	6	4	2	6	18
W6	07/10	12/10	6	4	2	6	18

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C		M	
				P/I	O		
W7	14/10	19/10	6	4	2	6	18
W8	21/10	26/10	3	2	1	3	9
W9	28/10	02/11	0	0	0	0	0
W10	04/11	09/11	5	3	2	5	15
W11	11/11	16/11	6	4	2	6	18
W12	18/11	23/11	6	4	2	6	18

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C		M	
				P/I	O		
W13	25/11	30/11	6	4	2	6	18
W14	02/12	07/12	6	4	2	6	18
W15	09/12	14/12	6	4	2	6	18
W16	16/12	21/12	6	4	2	6	18
W17	23/12	28/12	6	4	2	6	18
W18	30/12	04/01	4	2	2	4	12

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				Test-ing Hours
							Physics	Chemistry		Mathematics	
								Physical/ Inorganic	Organic		
1	MPT-1	JEE (MAIN)	14-09-19 (SATURDAY)	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)	28-09-19 (SATURDAY)				Electrostatics, Gravitation, Current Electricity, Capacitance	Mole concept, QMM, Periodic Table	Nomenclature, Structural Isomerism, Structure Identification & POC	FOM, Sequence and Series Quadratic Equation, Trigonometry, Solution of Triangle.	3
3	MPT-2	JEE (MAIN)	19-10-19 (SATURDAY)				Current Electricity, Capacitance, EMF, EMI, Alternating Current, Measurement Error & Experiments, Kinematics	QMM, Gases State & Chemical Bonding, Chemical Equilibrium.	Structure Identification, POC, Reduction, oxidation, Hydrolysis & Geometrical isomerism	Sequence and Series, Quadratic Equation, Trigonometry, Solution of Triangle, Straight Line, Circle, Sets, Relation and Funciton	3
4	MCT-2	JEE (MAIN)	23-11-19 (SATURDAY)				Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI, Alternating Current, Measurement Error & Experiments, Kinematics, Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion, Geometrical Optics, Modern Physics-I, Nuclear Physics	Mole concept + QMM & Periodic Table, Gases State, Chemical Bonding , Chemical Equilibrium, Ionic Equlibrium , Coordination Compounds	Structural Isomerism, Structure Identification, POC, Reduction, oxidation, Hydrolysis, Stereo isomerism & GOC-I & II	FOM, Sequence and Series , Quadratic Equation , Trigonometry, Solution of Triangle, Straight Line, Circle, Sets, Relation and Funciton , LCD, Fundamental of Conic, Tangent normal and its application in Conic, Statistics, Application of Derivatives	3
5	MPT-3	JEE (MAIN)	14-12-19 (SATURDAY)				Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion, Geometrical Optics, Modern Physics-I, Nuclear Physics, Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion, String Waves, Sound Wave, Wave Optics, Fluid Mechanics	Coordination Compounds, Electrochemistry, s-Block Element & p-Block (13 & 14)	Reduction, oxidation, Hydrolysis, GOC-I, II & ORM-I, II	LCD, Fundamental of Conic, Tangent Normal and its application in Conic, Statistics, AOD, Indefinite Integration, Definite integration, Differential Equation, Matrices and Determinant, Vector and 3D (Up to Box product)	3
6	AIOT-1	JEE (MAIN)	29-12-19				Full syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
7	MMT-2	JEE (MAIN)	02-01-20				Full syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
										Total Testing Hours	**21**

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.