

SUBJECT WISE SYLLABUS PLAN

- ◆ Topic Name
- ◆ Topic Sequence

- ◆ Topic Commencement
- ◆ No. of Lectures allotted to each Topic

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	7	03-09-18	PHYSICAL CHEMISTRY				1	FUNDAMENTAL OF MATHEMATICS	5	03-09-18
2	GRAVITATION	1	12-09-18	1	MOLE CONCEPT	2	03-09-18	2	SEQUENCE & SERIES	3	10-09-18
3	CURRENT ELECTRICITY	4	13-09-18	2	EQUIVALENT CONCEPT	2	10-09-18	3	QUADRATIC EQUATION	4	13-09-18
4	CAPACITANCE	3	18-09-18	3	GASEOUS STATE	2	17-09-18	4	TRIGONOMETRY	3	18-09-18
5	EMF	5	21-09-18	4	CHEMICAL EQUILIBRIUM	3	24-09-18	5	SOLUTION OF TRIANGLE	1	21-09-18
6	EMI	4	28-09-18	5	IONIC EQUILIBRIUM	4	08-10-18	6	STRAIGHT LINE	6	24-09-18
7	ALTERNATING CURRENT	2	03-10-18	6	ELECTROCHEMISTRY	5	22-10-18	7	CIRCLE	4	01-10-18
8	MEASUREMENT ERROR & EXPERIMENTS	1	05-10-18	7	SOLUTION & COLLIGATIVE PROPERTIES	3	19-11-18	8	SET, RELATION & FUNCTIONS	7	05-10-18
9	KINEMATICS	3	08-10-18	8	SOLID STATE	3	03-12-18	9	LIMIT, CONTINUITY & DERIVABILITY	5	15-10-18
10	NEWTON'S LAWS OF MOTION	3	11-10-18	9	CHEMICAL KINETICS	3	11-12-18	10	FUNDAMENTALS OF CONICS	2	22-10-18
11	FRICTION	2	15-10-18	10	THERMODYNAMIC & THERMOCHEMISTRY	4	24-12-18	11	TANGENT NORMAL & ITS APPLICATIONS IN CONICS	7	24-10-18
12	WORK, POWER & ENERGY	3	17-10-18	11	SURFACE CHEMISTRY	1	02-01-19	12	STATISTICS	2	01-11-18
13	CIRCULAR MOTION	3	22-10-18	INORGANIC CHEMISTRY				13	APPLICATION OF DERIVATIVES	4	15-11-18
14	GEOMETRICAL OPTICS	7	25-10-18	1	QUANTUM NUMBER	1	03-09-18	14	INDEFINITE INTEGRATION	3	20-11-18
15	MODERN PHYSICS-I	4	02-11-18	2	PERIODIC TABLE	2	04-09-18	15	DEFINITE INTEGRATION & ITS APPLICATION	5	23-11-18
16	NUCLEAR PHYSICS	2	19-11-18	3	CHEMICAL BONDING	6	11-09-18	16	DIFFERENTIAL EQUATION	3	29-11-18
17	CENTRE OF MASS	4	21-11-18	4	COORDINATION COMPOUNDS	5	08-10-18	17	MATRICES & DETERMINANT	4	04-12-18
18	RIGID BODY DYNAMICS	7	26-11-18	5	s-BLOCK ELEMENTS	2	23-10-18	18	VECTORS & 3-D	7	08-12-18
19	SIMPLE HARMONIC MOTION	4	05-12-18	6	p-BLOCK ELEMENTS (13 & 14 GROUPS)	2	15-11-18	19	COMPLEX NUMBER	5	18-12-18
20	STRING WAVES	3	10-12-18	7	METALLURGY	3	20-11-18	20	BINOMIAL THEOREM	2	24-12-18
21	SOUND WAVE	3	13-12-18	8	p-BLOCK ELEMENTS (15 & 16 GROUPS)	3	03-12-18	21	PERMUTATION & COMBINATION	5	26-12-18
22	WAVE OPTICS	3	18-12-18	9	p-BLOCK ELEMENTS (17 & 18 GROUPS)	2	11-12-18	22	PROBABILITY	3	02-01-19
23	FLUID MECHANICS	2	21-12-18	10	d & f-BLOCK ELEMENTS	3	18-12-18	23	MATHEMATICAL REASONING	1	05-01-19
24	KTG & THERMODYNAMICS	3	24-12-18	ORGANIC CHEMISTRY				Total No. of Lectures	91		
25	CALORIMETRY & THERMAL EXPANSION	1	27-12-18	1	NOMENCLATURE + DU STRUCTURAL ISOMERISM	1	03-09-18	Total No. of Lectures	91		
26	HEAT TRANSFER	1	28-12-18	2	STRUCTURE IDENTIFICATION & POC-I	2	10-09-18	Total No. of Lectures	91		
27	SOLID & SEMICONDUCTORS	2	31-12-18	3	ELEMENTS DETECTION, POC-II (SEPARATION OF BINARY MIXTURE)	1	17-09-18				
28	EMW	1	02-01-19	4	REDUCTION, OXIDATION & HYDROLYSIS REACTIONS	2	24-09-18				
29	Principle of Communication	1	03-01-19	5	STEREoisomerism	3	25-09-18				
30	ELASTICITY & VISCOSITY	1	04-01-19	6	GENERAL ORGANIC CHEMISTRY-I	4	08-10-18				
31	SURFACE TENSION	1	05-01-19	7	GENERAL ORGANIC CHEMISTRY-II	4	23-10-18				
				8	REACTION MECHANISMS (ORM-I)	2	19-11-18				
				9	REACTION MECHANISMS (ORM-III)	1	26-11-18				
				10	REACTION MECHANISM (ORM-III) (HYDROCARBON)	3	27-11-18				
				11	REACTION MECHANISM (ORM-IV)	1	10-12-18				
				12	AROMATIC COMPOUNDS	1	17-12-18				
				13	ALDEHYDES, KETONES, CARBOXYLIC ACIDS & DERIVATIVES	3	18-12-18				
				14	BIO-MOLECULES, POLYMERS & CHEMISTRY IN EVERY DAY LIFE	2	31-12-18				

TESTING SCHEDULE (ONLINE MODE ONLY)

S. No.	Periodic Test Type and No.	Periodic Test Date	PERIODIC TEST SYLLABUS					Testing Hours
			PHYSICS	PHYSICAL CHEMISTRY	INORGANIC CHEMISTRY	ORGANIC CHEMISTRY	MATHEMATICS	
1	MPT-1	17-09-18 (Monday)	Electrostatics, Gravitation	Mole Concept, Equivalent Concept	Quantum Number, Periodic Table	IUPAC, Structure isomers, Structure identification, POC-I	FOM, Sequence and Series	3
2	MCT-1	01-10-18 (Monday)	Electrostatics, Gravitation, Current Electricity, Capacitance, EMF	Mole Concept, Equivalent Concept, Gaseous State	Quantum Number, Periodic Table, Chemical Bonding (Upto-VBT)	IUPAC, Structure isomers, Structure identification, POC-I, Reduction oxidation hydrolysis, POC-II & Geometrical isomers	FOM, Sequence and Series, Quadratic Equation, Trigonometry, SOT, Straight Line (up to Lecture 2)	3
3	MPT-2	15-10-18 (Monday)	Current Electricity, Capacitance, EMF, EMI, AC, Measurement Error & Experiments, Kinematics	Gaseous State, Chemical Equilibrium	Chemical Bonding, Coordination Compounds (Upto Werner theory)	Reduction, oxidation, hydrolysis, POC-II & Stereo isomer & Resonance effect	Quadratic Equation, Trigonometry, SOT, Straight Line, Set Relation and Function (up to domain of function)	3
4	MCT-2	29-10-18 (Monday)	Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI, AC, Measurement Error & Experiments, Kinematics, Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion	Mole Concept, Equivalent Concept, Gaseous State, Chemical Equilibrium, Ionic Equilibrium	Quantum Number, Periodic Table, Chemical Bonding, Coordination Compounds.	Reduction, oxidation, hydrolysis, POC-II & Stereo isomer & GOC-I	MCT-1 + Straight Line, Circle, Sets, Relation and Function, LCD	3
5	MPT-3	26-11-18 (Monday)	Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion, Geometrical Optics, Modern Physics-I, Nuclear Physics	Ionic Equilibrium, Electrochemistry	Coordination Compounds, s-Block.	GOC-I, GOC-II & ORM-I	Sets, Relation and Function, LCD, Fundamental of Conics, Tangent normal and its application in conics, Statistics, AOD	3
6	MCT-3	10-12-18 (Monday)	Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI, AC, Measurement Error & Experiments, Kinematics, Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion, Geometrical Optics, Modern Physics-I, Nuclear Physics, Centre of Mass, Rigid Body Dynamics	Mole Concept, Equivalent Concept, Gaseous State, Chemical Equilibrium, Ionic Equilibrium, Electrochemistry, Solution & Colligative Properties.	Quantum Number, Periodic Table, Chemical Bonding, Coordination Compounds, s-Block, Metallurgy	GOC-I, GOC-II & ORM-I, ORM-II & ORM-III	MCT-1 & MCT-2 + Fundamental of Conics, Tangent normal and its application in conics, Statistics, AOD, Indefinite Integration, Definite Integration and its application, Differential Equation	3
7	MPT-4	24-12-18 (Monday)	Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion, String Waves, Sound Wave	Solutions & Colligative Properties, Solid State, Chemical Kinetics	Metallurgy, p-Block (13 to 16)	ORM-I, II, III, IV & Aldehydes Ketones	Indefinite Integration, Definite Integration and its application differential equation matrix and Determinant Vector and 3D	3
8	MMT (Main Mock Test)	30-12-18 (Sunday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3