SUBJECT WISE SYLLABUS PLAN

- Topic Name
- Topic Sequence
- Topic Commencement
- No. of Lectures allotted to each Topic

PHYSICS [P]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	ELECTROSTATICS	7	03-09-18
2	GRAVITATION	1	12-09-18
3	CURRENT ELECTRICITY	4	13-09-18
4	CAPACITANCE	3	18-09-18
5	EMF	5	21-09-18
6	EMI	4	28-09-18
7	ALTERNATING CURRENT	2	03-10-18
8	MEASUREMENT ERROR & EXPERIMENTS	1	05-10-18
9	KINEMATICS	3	08-10-18
10	NEWTON'S LAWS OF MOTION	3	11-10-18
11	FRICTION	2	15-10-18
12	WORK, POWER & ENERGY	3	17-10-18
13	CIRCULAR MOTION	3	22-10-18
14	GEOMETRICAL OPTICS	7	25-10-18
15	MODERN PHYSICS-I	4	02-11-18
16	NUCLEAR PHYSICS	2	19-11-18
17	CENTRE OF MASS	4	21-11-18
18	RIGID BODY DYNAMICS	7	26-11-18
19	SIMPLE HARMONIC MOTION	4	05-12-18
20	STRING WAVES	3	10-12-18
21	SOUND WAVE	3	13-12-18
22	WAVE OPTICS	3	18-12-18
23	FLUID MECHANICS	2	21-12-18
24	KTG & THERMODYNAMICS	3	24-12-18
25	CALORIMETRY & THERMAL EXPANSION	1	27-12-18
26	HEAT TRANSFER	1	28-12-18
27	SOLID & SEMICONDUCTORS	2	31-12-18
28	EMW	1	02-01-19
29	Principle of Communication	1	03-01-19
30	ELASTICITY & VISCOSITY	1	04-01-19
31	SURFACE TENSION	1	05-01-19
	Total No. of Lectures	**91**	

CHEMISTRY [C]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
	PHYSICAL CHEMISTRY		
1	MOLE CONCEPT	2	03-09-18
2	EQUIVALENT CONCEPT	2	10-09-18
3	GASEOUS STATE	2	17-09-18
4	CHEMICAL EQUILIBRIUM	3	24-09-18
5	IONIC EQUILIBRIUM	4	08-10-18
6	ELECTROCHEMISTRY	5	22-10-18
7	SOLUTION & COLLIGATIVE PROPERTIES	3	19-11-18
8	SOLID STATE	3	03-12-18
9	CHEMCIAL KINETICS	3	11-12-18
10	THERMODYNAMIC & THERMOCHEMISTRY	4	24-12-18
11	SURFACE CHEMISTRY	1	02-01-19
	INORGANIC CHEMISTRY		
1	QUANTUM NUMBER	1	03-09-18
2	PERIODIC TABLE	2	04-09-18
3	CHEMICAL BONDING	6	11-09-18
4	COORDINATION COMPOUNDS	5	08-10-18
5	s-BLOCK ELEMENTS	2	23-10-18
6	p-BLOCK ELEMENTS (13 & 14 GROUPS)	2	15-11-18
7	METALLURGY	3	20-11-18
8	p-BLOCK ELEMENTS (15 & 16 GROUPS)	3	03-12-18
9	p-BLOCK ELEMENTS (17 & 18 GROUPS)	2	11-12-18
10	d & f-BLOCK ELEMENTS	3	18-12-18
	ORGANIC CHEMISTRY		
1	NOMENCLATURE + DU STRUCTURAL ISOMERISM	1	03-09-18
2	STRUCTURE IDENTIFICATION & POC-I	2	10-09-18
3	ELEMENTS DETECTION, POC-II (SEPARATION OF BINARY MIXTURE)	1	17-09-18
4	REDUCTION, OXIDATION & HYDROLYSIS REACTIONS	2	24-09-18
5	STEREOISOMERISM	3	25-09-18
6	GENERAL ORGANIC CHEMISTRY-I	4	08-10-18
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-II)(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
	Total No. of Lectures	**91**	

MATHEMATICS [M]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	FUNDAMENTAL OF MATHEMATICS	5	03-09-18
2	SEQUENCE & SERIES	3	10-09-18
3	QUADRATIC EQUATION	4	13-09-18
4	TRIGONOMETRY	3	18-09-18
5	SOLUTION OF TRIANGLE	1	21-09-18
6	STRAIGHT LINE	6	24-09-18
7	CIRCLE	4	01-10-18
8	SET, RELATION & FUNCTIONS	7	05-10-18
9	LIMIT, CONTINUITY & DERIVABILITY	5	15-10-18
10	FUNDAMENTALS OF CONICS	2	22-10-18
11	TANGENT NORMAL & ITS APPLICATIONS IN CONICS	7	24-10-18
12	STATISTICS	2	01-11-18
13	APPLICATION OF DERIVATIVES	4	15-11-18
14	INDEFINITE INTEGRATION	3	20-11-18
15	DEFINITE INTEGRATION & ITS APPLICATION	5	23-11-18
16	DIFFERENTIAL EQUATION	3	29-11-18
17	MATRICES & DETERMINANT	4	04-12-18
18	VECTORS & 3-D	7	08-12-18
19	COMPLEX NUMBER	5	18-12-18
20	BINOMIAL THEOREM	2	24-12-18
21	PERMUTATION & COMBINATION	5	26-12-18
22	PROBABILITY	3	02-01-19
23	MATHEMATICAL REASONING	1	05-01-19
	Total No. of Lectures	**91**	

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 identifiaction, 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 identifiaction, POC-I, Reduction oxidation hydrolysis, POC-II & Geometrical isomers	FOM, Sequence and Series, Quadratic Equation, Trigonometry , SOT, Straight Line (up to Leacture 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, Nucear 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, Nucear 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