



## Target: JEE (Main+Advanced) 2023

### 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
				PHYSICAL/ INORGANIC							
1	Geometrical Optics	22	16-02-2023	1	Solution & Colligative Properties	9	15-02-2023	1	Relation, Functions & ITF	19	15-02-2023
2	Electrostatics	24	05-04-2023	2	Coordination compound	13	09-03-2023	2	Rediscussion of P & C Sheet	1	18-03-2023
3	Gravitation	5	19-05-2023	3	Solid State	10	14-04-2023	3	Probability	11	22-03-2023
4	Current Electricity	12	27-05-2023	4	Electrochemistry	13	04-05-2023	4	Limits, Continuity & Derivability	15	19-04-2023
5	Heat Transfer	5	21-06-2023	5	Metallurgy	6	02-06-2023	5	Method of Differentiation	4	18-05-2023
6	Capacitance	10	30-06-2023	6	Qualitative Analysis(anion)	6	16-06-2023	6	Rediscussion of Straight Line Sheet	1	25-05-2023
7	EMF	14	20-07-2023	7	p-Block(N & O)	9	30-06-2023	7	Application of Derivatives	17	26-05-2023
8	EMI	11	23-08-2023	8	Equivalent concept & titrations	6	02-08-2023	8	Rediscussion of circle Sheet	1	28-06-2023
9	Alternating Current	5	16-09-2023	9	Halogen & noble gas	5	23-08-2023	9	Matrices & Determinant	12	29-06-2023
10	Measurement Error & Experiments	3	27-09-2023	10	Chemical Kinetics	10	06-09-2023	10	Rediscussion of Conic Section Sheet	1	21-07-2023
11	Modern Physics-I	10	30-09-2023	11	Surface chemistry	4	28-09-2023	11	Vector & 3-D	18	22-07-2023
12	Nuclear Physics	6	20-10-2023	12	Qualitative Analysis ( Cation)	5	11-10-2023	12	Rediscussion of Trigonometry Sheet	1	25-08-2023
13	Wave Optics	7	13-11-2023	13	d & f-Block Element	4	20-10-2023	13	Indefinite Integration	10	30-08-2023
14	Semiconductor	6	24-11-2023	14	s-Block	4	11-11-2023	14	Definite Integratin & Its Application	13	15-09-2023
15	POC	2	06-12-2023	15	p-Block (13-14 groups)	5	23-11-2023	15	Rediscussion of Quadratic Equation Sheet	1	14-10-2023
16	EMW	2	08-12-2023	ORGANIC				16	Differential Equation	8	16-10-2023
				1	GOC-II	8	15-02-2023	17	Linear Programming	2	13-11-2023
				2	Stereoisomerism	14	09-03-2023	18	Binary Operation	1	16-11-2023
				3	ORM-I	12	04-05-2023	19	Complex Number	12	17-11-2023
				4	ORM-II	11	07-06-2023				
				5	Reduction, Oxidation & Hydrolysis	9	07-07-2023				
				6	ORM-III	7	02-08-2023				
				7	ORM-IV	5	23-08-2023				
				8	Handout	1	07-09-2023				
				9	Aromatic Compound	6	13-09-2023				
				10	Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	7	05-10-2023				
				11	Biomolecules & Polymer	7	11-11-2023				
				12	Chemistry in Everyday Life	1	06-12-2023				
				13	Physical Properties, POC-II	1	07-12-2023				
Total No. of Lectures		144		Total No. of Lectures		198		Total No. of Lectures		148	

\*Timings of Counseling Session for Individual Batch will be announced via time table.

#### DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	15 February, 2023	W-1	A
2	14 June, 2023	W-18	B
3	20 September, 2023	W-32	C

#### COUNSELING SESSIONS SCHEDULE\*

Session	WEEK
Session 01	05 - 10 April 2023
Session 02	12 - 17 July 2023
Session 03	18 - 23 October 2023

# PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	Uploading of Result on Resonance Website	Periodic Test Syllabus			Testing Hours	
					Physics	Chemistry			Mathematics
						Physical/ Inorganic	Organic		
1	APT-1	JEE (Adv.)	14-03-2023	24-03-2023	Geometrical Optics (upto Problems based on apparent depth and height, Problems of apparent shift) KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties (upto Azeotropes & Phase diagram) + Ionic Equilibrium	GOC-II (upto Acidic Strength of Phenol, Feasibility of reaction)	Relation, Functions (Domain, Range, G.F, Fractional Part, Signum, De-rihlet, identical one-one, many one, into, onto, even and odd function only) Binomial Theorem, P & C	6
2	MCT-1	JEE (Main)	11-04-2023	21-04-2023	Geometrical Optics, KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination Compounds (upto Some Properties of Coordination Compounds), Ionic Equilibrium, + Thermodynamic & Thermochemistry	GOC-II, Stereoisomerism (upto Nomenclature (R/S and D/L), Element of symmetry (POS))	Relation, Functions ITF, Binomial Theorem, P & C, Statistics, Mathematical reasoning, Set theory	3
3	ACT-1	JEE (Adv.)	25-04-2023	05-05-2023	Geometrical Optics, Electrostatics (Upto Electric field due to spherical, shell and solid sphere) KTG and thermodynamics, Calorimetry and thermal expansion, SHM, string wave and sound wave	Solution & Colligative Properties, Coordination Compounds, Solid State (upto Simple Cubic and BCC), Ionic Equilibrium, Thermodynamic & Thermochemistry	GOC-II, Stereoisomerism (upto Optical purity, Enantiomeric excess & Optical resolution)	Functions ITF, Probability, Binomial Theorem, P & C, Straight line, Circle	6
4	APT-2	JEE (Adv.)	23-05-2023	02-06-2023	Geometrical Optics, Electrostatics, Kinematics, NLM, Friction, WPE	Coordination Compounds, Solid State, Electrochemistry (upto Thermodynamic function of cell reaction), Chemical Bonding, Periodic Table, BIN	GOC-II, Stereoisomerism, ORM-I (upto Introduction to reaction mechanism)	Probability, LCD, Straight line, Circle, Conic Section	6
5	MCT-2	JEE (Main)	13-06-2023	23-06-2023	Geometrical Optics, Electrostatics, Gravitation, Current electricity (upto KCL & KVL), Kinematics, NLM, Friction, WPE	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy (upto Roasting, Smelting), Chemical Bonding, Periodic Table, BIN	GOC-II, Stereoisomerism, ORM-I	Relation, Function, ITF, Probability, LCD, MOD, Set, Mathematical reasoning, Statistics, Binomial theorem, P & C, Straight line, Circle, Conic Section.	3
6	ACT-2	JEE (Adv.)	04-07-2023	14-07-2023	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Kinematics, NLM, Friction, WPE	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), Chemical Bonding, Periodic Table, BIN	GOC-II, Stereoisomerism, ORM-I, ORM-II (upto Free radical addition reaction)	Function, ITF, Probability, LCD, MOD, AOD (Tangent and Normal only), Binomial theorem, P & C, Straight line, Circle, Conic Section	6
7	APT-3	JEE (Adv.)	25-07-2023	04-08-2023	Current electricity, Heat transfer, Capacitance, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions	Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block (15th groups), Equivalent concept & titrations (upto Equivalent weight, n-factor and Normality for Oxidant and Reductant), Gaseous State (Ideal + Real)	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis (upto Oxidation reaction of hydrocarbon)	LCD, MOD, AOD Circle, Conic Section, FOM-I & FOM-II, Trigonometry, SOT, Straight line	6
8	ACT-3	JEE (Adv.)	08-08-2023	18-08-2023	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Kinematics, NLM, Friction, WPE Capacitance, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block(15 & 16 groups)	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis	Function, ITF, Probability, LCD, MOD, AOD, Matrices & Determinant, Binomial theorem, P & C, Straight line, Circle, Conic Section, FOM-I & FOM-II, Trigonometry, SOT.	6
9	MCT-3 + BPT-1	JEE (Main) +Board	29-08-2023	08-09-2023	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions BPT-1 : Geometrical Optics, Electrostatics, Current electricity, Capacitance	MC1-3 : Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block(15 to 16 groups), Equivalent concept & titrations, Gaseous State (Ideal + Real) BPT-1 : Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, p-Block(15 to 18 groups)	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III	MCT: Relation, Function & ITF, Probability, LCD, MOD, AOD, Matrix & Determinant, Straight line, Circle, Conic Section, Mathematical reasoning, Set, Statistics, Trigonometry, FOM-I & II, SOT, BPT: Types of Relation, Function, ITF, Probability, Continuity and Differentiability, MOD, AOD, Matrix and Determinant,	(3+3)
10	ACT-4	JEE (Adv.)	19-09-2023	29-09-2023	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, EMI, Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion), p-Block(15 to 18 groups), Equivalent concept & titrations, Chemical Kinetics (upto 2nd order reaction), Chemical Equilibrium	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III, ORM-IV	Function & ITF, Probability, LCD, MOD, AOD, Matrix & Determinant, vector & 3D, Straight line, Circle, Conic Section, Mathematical reasoning, Set, Statistics, Trigonometry, FOM-I & II, SOT,	6
11	MCT-4 + BPT-2	JEE (Main) +Board	10-10-2023	20-10-2023	Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer, Capacitance, EMF, EMI, AC, Modern Physics (Upto Photoelectric effect) Circular motion, Centre of mass, RBD, Fluid mechanics, Elasticity and Viscosity, Surface tension, Units and Dimensions BPT -2 : EMF, EMI, AC, MP-1	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (anion & Cation), p-Block(15 to 18 groups), Equivalent concept & titrations, Chemical Kinetics, Atomic Structure	GOC-II, Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III, ORM-IV, Aromatic Compound	MC1: Relation, Function & ITF, Probability, LCD, MOD, AOD, Matrix & Determinant, Vector and 3-D, Indefinite integration, Set, Mathematical reasoning, Statistics, FOM-I, FOM-II, Trigonometry, SOT, Quadratic Equation, Sequence and Series BPT: Types of Relation, Function, ITF, Probability, Continuity and Differentiability, MOD, AOD, Matrix and Determinant, Vector, 3-D, Indefinite Integration	(3+3)
12	ACT-5	JEE (Adv.)	14-11-2023	24-11-2023	Rectilinear motion, projectile motion, relative motion, newtons laws of motion, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid mechanics, Surface Tension, Elasticity & Viscosity, String wave, Sound wave, Geometrical Optics, Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI, Alternating current, Modern Physics, Nuclear Physics,	Solution & Colligative Properties, Coordination Compounds, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block Elements (15 to 16 groups), Chemical Bonding, Mole Concept	IUPAC Nomenclature, Structural Isomerism & Structural Identification & POC, GOC-I, GOC-II, Stereoisomerism, ORM-I& II, Reduction, Oxidation & Hydrolysis, ORM-III& IV Aromatic Compounds (upto Chemical reaction of aniline)	Equation, Trigonometric Ratios and Equation, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Circle, Conic Section, Function and Inverse Trigonometric Function, Probability, LCD, MOD, AOD, Matrices and Determinant, Vector and 3-D	6
13	APT-4	JEE (Adv.)	05-12-2023	15-12-2023	EMF, EMI, AC, MP-1, MP-2, Semiconductor (Upto P-N Junction), Fluid mechanics, Surface Tension, Elasticity & Viscosity, String wave, Sound wave, Wave Optics, Measurement error & Experiment, KTG & Thermodynamics, Calorimetry & Thermal expansion	Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block Elements (15 to 18 groups), Equivalent concept & titrations, Chemical Equilibrium, s-block Elements	Reduction, Oxidation & Hydrolysis, ORM-III & IV, Aromatic Compounds, Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	AOD, Matrices and Determinant, Vector and 3-D, Indefinite Integration	6
14	BPT I Maths & Phy.	Board Pattern	19-12-2023	29-12-2023 (Wednesday)	Class-XII Full Syllabus	-	-	Full Syllabus XII	3+3
15	BPT Chem.	Board Pattern	20-12-2023	30-12-2023	-	Class-XII Full Syllabus	Class-XII Full Syllabus	-	3
16	MMT	JEE (Main)	26-12-2023	05-01-2024	Class-XI Full Syllabus	Class-XI Full Syllabus	Class-XI Full Syllabus	Class-XI Full Syllabus	3
17	MMT	JEE (Main)	02-01-2024	12-01-2024	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
18	MMT	JEE (Main)	05-01-2024	15-01-2024	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
19	AIOT	JEE (Adv.)	06-02-2024	16-02-2024	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
20	MT	JEE (Main)	09-01-2024	19-02-2024	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
21	AIOT	JEE (Main)	13-02-2024	23-02-2024	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3

Note: 1. Students are advised to refer their notice board for test timings | 2. There 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**

**102**