

## 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
1	Mathematical Tools	24	03-May-23	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics-I	15	03-May-23
2	Rectilinear Motion	17	07-Jun-23	1	Introduction to Chemistry	5	03-May-23	2	Quadratic Equation	12	27-May-23
3	Projectile Motion	8	30-Jun-23	2	Atomic Structure	16	12-May-23	3	Trigonometry	15	14-Jun-23
4	Relative Motion	5	12-Jul-23	3	Mole Concept	11	09-Jun-23	4	Sequence & Series	11	05-Jul-23
5	NLM	10	17-Jul-23	4	Gaseous State-1	8	30-Jun-23	5	Mathematical Reasoning	4	20-Jul-23
6	Friction	5	29-Jul-23	5	Gaseous State-2	4	15-Jul-23	6	Fundamentals of Mathematics-II	7	26-Jul-23
7	Work, Power & Energy	9	04-Aug-23	6	Chemical Equilibrium	8	22-Jul-23	7	Binomial Theorem	13	04-Aug-23
8	Circular Motion	7	14-Aug-23	7	Thermodynamics & Thermochem.	14	05-Aug-23	8	Permutation & Combination	12	30-Aug-23
9	Centre of Mass	10	23-Aug-23	8	s-Block	5	07-Sep-23	9	Straight Line	12	20-Sep-23
10	Rigid Body Dynamics	14	06-Sep-23	9	p-Block (13-14 groups)	6	27-Sep-23	10	Solution of Triangle	7	12-Oct-23
11	Simple Harmonic Motion	9	24-Sep-23	10	Ionic Equilibrium (Elementary)	10	18-Oct-23	11	Statistics	1	25-Oct-23
12	Fluids	5	11-Oct-23	11	Ionic Equilibrium (Advanced)	10	29-Nov-23	12	Statistics	3	26-Oct-23
13	Surface Tension	2	18-Oct-23	ORGANIC				13	Circle	12	11-Nov-23
14	Elasticity and viscosity	3	20-Oct-23	1	IUPAC Nomenclature	10	03-May-23	14	Conic Section	18	01-Dec-23
15	String waves	9	23-Oct-23	2	Structural Isomerism	3	07-Jun-23	15	Revision	4	
16	Unit & Dimension	1	13-Nov-23	3	IUPAC Nomenclat. & Struc. Isomerism	1	15-Jun-23				
17	Sound Waves	8	15-Nov-23	4	Structural identification & POC-I	11	21-Jun-23				
18	KTG & Thermodynamics	8	29-Nov-23	5	Periodic Table	7	27-Jul-23				
19	Calorimetry & Thermal Expansion	4	15-Dec-23	6	BIN	3	23-Aug-23				
20	Measurement & Error	3	27-Dec-23	7	Chemical Bonding-1	5	30-Aug-23				
				8	Chemical Bonding-2	8	08-Sep-23				
				9	Chemical Bonding-3	4	28-Sep-23				
				10	Chemical Bonding-4	3	11-Oct-23				
				11	Chemical Bonding-4 + 5	1	18-Oct-23				
				12	Chemical Bonding-5	2	19-Oct-23				
				13	GOC-I	8	25-Oct-23				
				14	GOC-II	10	29-Nov-23				
				15	Environmental Chemistry	2	28-Dec-23				
<b>Total No. of Lectures</b>				<b>Total No. of Lectures</b>				<b>Total No. of Lectures</b>			
<b>161</b>				<b>175</b>				<b>146</b>			

### DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	3 May, 2023	W-1	A
2	19 July, 2023	W-12	B
3	18 October, 2023	W-25	C

## 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.)	30-05-2023	09-06-2023	Function, Trigonometry, Differentiation, Maxima & Minima, Integration & Vector up Addition of Vector.	Introduction to Chemistry, Atomic Structure (upto Bohr's Atomic Model)	IUPAC-Nomenclature of Alkenes, alkynes, Cycloalkene and polyene	FOM-1 (upto Logarithmic Inequalities)	6
2	MCT-1	JEE (Main)	20-06-2023	30-06-2023	Mathematical tools & Rectilinear motion (up to average speed & velocity).	Atomic structure (upto quantum number).	IUPAC Nomenclature & Structural Isomerism (upto Isomer counting of Hydrocarbon, Isomer counting of Hetero atom (N,O,S & X) containing compounds)	FOM-1, Quadratic Equation	3
3	ACT-1	JEE (Adv.)	11-07-2023	21-07-2023	Mathematical tool, Rectilinear Motion & Projectile motion (up to projectile from A tower).	Introduction to Chemistry, Atomic Structure, Mole concept (upto redox balancing).	IUPAC Nomenclature & Structural Isomerism, Structural identification, POC-I (upto Lab test of acidic hydrogen and alkene & alkyne)	FOM-1, Quadratic Equation , Trigonometry	6
4	ACT-2	JEE (Adv.)	08-08-2023	18-08-2023	Mathematical tools, Kinematics, NLM, Friction, WPE	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-I, Periodic Table (upto Effective Nuclear Charge (Z effective))	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2	6
5	APT-3	JEE (Adv.)	05-09-2023	15-09-2023	NLM, Friction, WPE, Circular motion, Centre of mass complete	Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry (upto 2nd Law)	POC-I, Periodic Table, BIN	Sequence and Series, FOM-2 , Binomial Theorem	6
6	MCT-3	JEE (Main)	19-09-2023	29-09-2023	Mathematical tools, Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD upto angular momentum conservation about fixed axis	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-I, Periodic Table, BIN, Chemical Bonding-1	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, Mathematical reasoning , FOM-2, Binomial Theorem , P&C	3
7	ACT-3	JEE (Adv.)	10-10-2023	20-10-2023	Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD, SHM complete	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry, s-block elements	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-I, Periodic Table, BIN, Chemical Bonding-1 to 3 (upto Electron deficient bonding & Back bonding)	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight line	6
8	APT-4	JEE (Adv.)	31-10-2023	10-11-2023	Centre of mass, RBD, SHM, Fluids, Elasticity viscosity, Surface tension, String wave upto wave superposition	Thermodynamic & Thermochemistry, s-block elements, p-block elements (13 & 14 groups)	Chemical Bonding	Permutation & Combination, Straight Line, SOT	6
9	MCT-4	JEE (Main)	21-11-2023	01-12-2023	Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD, SHM Fluids, Elasticity viscosity, Surface tension, String wave complete	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry, s-block elements, p-block elements (13 & 14 groups), Ionic Equilibrium (Elementary) (upto Salt hydrolysis)	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-I, Periodic Table, BIN, Chemical Bonding, GOC-I (upto Stability of Resonating structure)	FOM-1, Quadratic Equation, Trigonometry , Sequence and Series, FOM-2, Binomial Theorem, Permutation & Combination, Straight Line, Mathematical Reasoning , SOT, Statistics, Circle (upto Line and a circle, Equation of chord joining two points on circle)	3
10	ACT-4	JEE (Adv.)	12-12-2023	22-12-2023	Kinematics, NLM, Friction, WPE, Circular motion, Centre of mass, RBD, SHM Fluids, Elasticity viscosity, Surface tension, String wave, sound wave, KTG and thermodynamics upto KTG	Introduction to chemistry, Atomic Structure, Mole Concept, Gaseous State (Ideal & Real), Chemical Equilibrium, Thermodynamic & Thermochemistry, s-block elements, p-block elements (13 & 14 groups), Ionic Equilibrium (Elementary)	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC-I, Periodic Table, BIN, Chemical Bonding, GOC-I, GOC-II (upto Carbocation and its stability)	FOM-1, Quadratic Equation, Trigonometry, Sequence and Series, FOM-2, Binomial Theorem, P & C, Straight Line, Mathematical Reasoning, SOT, Circle,	6
11	MT (Main)	JEE (Main)	02-01-2024	12-01-2024	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	MT (Adv.)	JEE (Adv.)	09-01-2024	19-01-2024	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
13	AIOT (Adv.)	JEE (Adv.)	30-01-2024	02-02-2024	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
<b>TOTAL TESTING HOURS</b>								<b>66</b>	

Note: 1. Students are advised to refer their notice board for test timings.

2. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.