

Target Institutions: NITs | IITs | GFTIs | OECs (Govt. & Pvt.)

India's Most Planned Institute



JEE (Main) Division

Academic Session: 2023-24

# COURSE PLANNER

Class: XII+ | Course: AJAY (ER+ERH)

#PlanningSafaltaKi

NITs: National Institutes of Technology | IITs: Indian Institutes of Information Technology  
GFTIs: Govt.-Funded Technical Institutes | OECs: Other Engineering Colleges (Government & Private)



Class	Course Name	Phase / Batch Code	Course Starts (Date/Day)	Course Ends (Date/Day)	Target Institutions	Target Examination	Target Year
XII+	AJAY	01ER+01ERH	05.06.2023 (Monday)	24.02.2024 (Saturday)	NITs, IITs, GFTIs	JEE (Main)	2024

## COURSE INTRODUCTION

Eligibility	For Class XII Passed (2022-23) Students	Course Type	Yearlong Classroom Contact Programme (YCCP)
Primary Target Examination	JEE (Main)	Coaching Mode	Physical Classroom (Offline)
Other Target Examinations(s)	JEE (Main), Board (Class-XII), Olympiads, BITSAT etc.	Medium of Instructions	English & Hindi
Primary Target College (s)	National Institutes of Technology (NITs)	Language of Content (Study Material)	English & Hindi
Other Target College (s)	IITs, GFTIs, OECs, Govt./ Pvt. Engineering Colleges, Higher Education Institutions (HEIs)	Testing & Assessment Mode	Paper-Based testing (PBT) & Computer Based Testing (CBT)

## COURSE SYNOPSIS

Course Duration	38 Weeks	Total Lectures	583 L	Classroom Hours (Total)	874.5 Hrs
Academic Weeks	36 Weeks	Subject-wise Lectures (P,C,M each)	P: 195 L C: 195 L M: 193 L	Classroom Hours (Subject Wise)	P: 292.5 Hrs C: 292.5 Hrs M: 289.5 Hrs
Vacation Weeks	02 Weeks	Lecture Per Week (Total)	16 L	No. of Tests	12
Subjects	Physics, Chemistry & Maths	Lectures Per Week (Subject-wise)	P: 5 L C: 6 L M: 5 L	Total Testing Hours	36 Hrs
Syllabus	JEE (Main)	Lecture Duration	1.5 Hr. (90 Min)	Total Academic Hours	910.5 Hrs

## COURSE CONTENT

S#	Content	Purpose	Quantity	No. of Pages	No. of Questions	Remarks
1.	Lecture Notes	Conceptual Learning	583	2915**	2915**	Self-Made in Classroom
2.	Daily Practice Problems (DPPs)	Practice & Revision	240	720	4000	Subject-wise Booklets
3.	Topic-Wise Sheets/ Modules	Practice & Perfection	92	4485	18505	Topic-wise Sheets
4.	Periodic Tests & Text Solutions	Assessment & Benchmarking	12	612	1080	As per Test Schedule
<b>Total</b>			<b>927</b>	<b>8732</b>	<b>26500</b>	

## COURSE PEDAGOGY

S#	Pedagogical Steps/Tools	Learning Advantage / Utility / Benefits
1.	Physical Classroom	• Effective & Efficient Learning Ambiance
2.	Instructor / Faculty	• Subject-Matter Experts (Teachers)
3.	Interactive Classes	• Live-learning & Interaction (Teacher-Student) • Peer-learning (Student-Student) • Doubt Discussion
4.	Lecture Notes	• Hand-written Lecture Notes • Self-Made by Student in the Classroom • Theory, Illustrations, Examples (Solved & Unsolved) • Based on Lecture Content by the Teaching Faculty
5.	Daily Practice Problems (DPPs)	• Homework Tool • For Regular Revision • Discussed in Classroom • Problems from Previous Topics
6.	Sheets/ Modules	• Topic-wise Theory for Conceptual Understanding • Exercises for Homework, Self-Practice & Perfection
7.	Doubt Classes	• One-on-One Doubt Discussion/ Resolution (Teacher-Student) for Individual Needs
8.	Special Classes	• Clinic Classes, Extra Classes etc. for Special Needs
9.	Periodic Assessment Tests (PATs)	• Part Tests (PTs), Cumulative Tests (CTs) for Regular Assessment & Benchmarking of Learning Outcomes
10.	Revision Plan	• Structured Revision • Full Syllabus Mock Tests

\* Assuming there are 5 Pages of Lecture Notes Per Lecture | \*\* Assuming there are 5 Questions / Examples Per Lecture | # Assuming approx 50 Pages Per Test (Test Paper & Solution Booklet)

Disclaimer: Information provided is subjected to change.

# WEEKLY LECTURE PLANNER

TL: Total Lectures (Week) | CL: Cumulative Lectures | P: Physics | C: Chemistry (P/I: Physical/Inorganic | O: Organic) | M: Mathematics

Week No.	Week Duration		No. of Lecture(s)				TL	CL	Week No.	Week Duration		No. of Lecture(s)				TL	CL	Week No.	Week Duration		No. of Lecture(s)				TL	CL
	From	To	P	C	M	From				To	P	C	M	From	To				P	C	M	From	To	P		
W-1	05-06	10-06	4	2	2	4	12	12	W-14	04-09	09-09	5	3	2	5	15	211	W-27	04-12	09-12	6	3	3	6	18	412
W-2	12-06	17-06	4	2	2	4	12	24	W-15	11-09	16-09	6	4	2	6	18	229	W-28	11-12	16-12	5	3	2	5	15	427
W-3	19-06	24-06	4	2	2	4	12	36	W-16	18-09	23-09	6	4	2	6	18	247	W-29	18-12	23-12	6	3	3	6	18	445
W-4	26-06	01-07	5	3	2	5	15	51	W-17	25-09	30-09	5	3	2	5	15	262	W-30	25-12	30-12	6	3	3	6	18	463
W-5	03-07	08-07	6	4	2	6	18	69	W-18	02-10	07-10	6	4	2	6	18	280	W-31	01-01	06-01	5	3	2	5	15	478
W-6	10-07	15-07	5	3	2	3	13	82	W-19	09-10	14-10	6	4	2	6	18	298	W-32	08-01	13-01	6	3	3	6	18	496
W-7	17-07	22-07	5	3	2	5	15	97	W-20	16-10	21-10	6	4	2	6	18	316	W-33	15-01	20-01	6	3	3	6	18	514
W-8	24-07	29-07	5	3	2	5	15	112	W-21	23-10	28-10	6	4	2	6	18	334	W-34	22-01	27-01	5	3	2	5	15	529
W-9	31-07	05-08	6	4	2	6	18	130	W-22	30-10	04-11	6	4	2	6	18	352	W-35	29-01	03-02	6	3	3	6	18	547
W-10	07-08	12-08	6	4	2	6	18	148	W-23	06-11	11-11	3	2	1	3	9	361	W-36	05-02	10-02	6	3	3	6	18	565
W-11	14-08	19-08	5	3	2	5	15	163	W-24	13-11	18-11	0	0	0	0	0	361	W-37	12-02	17-02	6	3	3	6	18	583
W-12	21-08	26-08	6	4	2	6	18	181	W-25	20-11	25-11	5	3	2	5	15	376	W-38	19-02	24-02	0	0	0	0	0	583
W-13	28-08	02-09	5	3	2	5	15	196	W-26	27-11	02-12	6	3	3	6	18	394	<b>Total</b>		<b>195</b>	<b>115</b>	<b>80</b>	<b>193</b>	<b>583</b>		

**Total Lectures: 583 (P: 195 | C: 195 | M: 193) | Total Classroom Hours: 875 Hrs (P: 292.5 Hrs. | C: 292.5 Hrs. | M: 289.5 Hrs.)**

## STUDY MATERIAL PLANNER (SHEETS / MODULES)

PHYSICS [P]					CHEMISTRY [C]					MATHEMATICS [M]						
T#	Topic Name/Sequence	No of Lec.	No of Ques.	Topic Start Date	T#	Topic Name/Sequence	No of Lec.	No of Ques.	Topic Start Date	T#	Topic Name/Sequence	No of Lec.	No of Ques.	Topic Start Date		
<b>Packet No.1</b>					PHYSICAL/ INORGANIC					<b>Packet No.1</b>						
1	Mathematical Tools	4	146	05-Jun-23	1	Mole Concept	6	255	05-Jun-23	1	Fundamentals of Mathematics	14	307	05-Jun-23		
2	Rectilinear Motion	5	139	12-Jun-23	2	Quantum Mechanical model of atom	3	257	26-Jun-23	2	Quadratic Equation	7	163	28-Jun-23		
3	Projectile Motion	5	90	20-Jun-23	3	Periodic Table	3	263	03-Jul-23	3	Relation, Functions & ITF	13	327	07-Jul-23		
4	Relative Motion	4	93	28-Jun-23	4	Real Gases	3	239	06-Jul-23	<b>Packet No.2</b>						
5	NLM	8	117	04-Jul-23	5	Chemical Bonding	12	408	12-Jul-23	4	Limits, Continuity & Derivability	13	329	27-Jul-23		
6	Friction	5	92	13-Jul-23	6	Chemical Equilibrium	6	235	08-Aug-23	5	Sequence & Series	7	233	12-Aug-23		
<b>Packet No.2</b>					7	Ionic Equilibrium	10	352	21-Aug-23	6	Straight Line	10	195	22-Aug-23		
7	Work, Power & Energy	7	149	20-Jul-23	8	Coordination compound	8	355	11-Sep-23	7	Circle	9	185	04-Sep-23		
8	Circular Motion	7	123	31-Jul-23	9	Electrochemistry	7	220	25-Sep-23	8	Method of Differentiation	3	50	15-Sep-23		
9	Geometrical Optics	18	276	08-Aug-23	<b>Packet No.3</b>					9	Application of Derivatives	13	298	19-Sep-23		
10	Electrostatics	15	284	31-Aug-23	10	Metallurgy	3	232	09-Oct-23	<b>Packet No.3</b>						
11	Gravitation	4	170	19-Sep-23	11	p-Block(N & O)	4	227	12-Oct-23	10	Matrices & Determinant	9	275	05-Oct-23		
12	Current Electricity	9	290	23-Sep-23	12	Chemical Kinetics	7	258	19-Oct-23	11	Indefinite Integration	7	160	16-Oct-23		
<b>Packet No.3</b>					13	p-Block(H & N)	4	176	01-Nov-23	12	Definite Integration & Its App.	14	318	24-Oct-23		
13	Capacitance	7	168	05-Oct-23	14	Solution & Colligative Properties	7	305	20-Nov-23	13	Mathematical Reasoning	3	157	20-Nov-23		
14	Centre of Mass	7	161	13-Oct-23	<b>Packet No.4</b>					14	Differential Equation	6	204	23-Nov-23		
15	Rigid Body Dynamics	11	281	21-Oct-23	15	Surface chemistry	3	193	05-Dec-23	<b>Packet No.4</b>						
16	Simple Harmonic Motion	6	170	03-Nov-23	16	Solid State	6	227	12-Dec-23	15	Statistics	3	117	01-Dec-23		
17	String Waves	5	139	21-Nov-23	17	s-Block elements	2	276	26-Dec-23	16	Vector & 3-D	14	403	05-Dec-23		
18	Sound Waves	6	142	28-Nov-23	18	Thermodynamics & Thermochem.	7	280	01-Jan-24	17	Binomial Theorem	6	202	22-Dec-23		
<b>Packet No.4</b>					19	p-Block (B&C Family)	3	228	16-Jan-24	18	Conic Section	15	381	29-Dec-23		
19	Wave Optics	4	149	05-Dec-23	20	Qualitative Analysis	7	192	23-Jan-24	19	Complex Number	8	230	17-Jan-24		
20	EMF	8	244	09-Dec-23	21	Equivalent concept & titrations	2	152	07-Feb-24	20	Permutation & Combination	9	229	26-Jan-24		
21	EMI	10	192	20-Dec-23	22	d & f Block	2	232	13-Feb-24	21	Probability	7	184	07-Feb-24		
22	Alternating Current	5	121	01-Jan-24	<b>Packet No.1</b>					22	Solution of Triangle	3	120	15-Feb-24		
23	Modern Physics-I	5	230	08-Jan-24	1	IUPAC Nomenclature Structural Isomerism	7	200	05-Jun-23	<b>Total</b>						
24	Nuclear Physics	4	138	13-Jan-24	2	Structural Identification POC	6	162	27-Jun-23	<b>195</b>	<b>8069</b>	<b>NA</b>	<b>22</b>	<b>193</b>	<b>5067</b>	<b>NA</b>
25	Fluids Mechanics	4	107	18-Jan-24	3	GOC-I	7	222	18-Jul-23	<b>Total No. of Questions: 18505 (P: 5369   C: 8069   M: 5067)</b>						
26	Surface Tension	2	81	23-Jan-24	<b>Packet No.2</b>											
27	Elasticity & Viscosity	2	97	25-Jan-24	4	GOC-II	5	185	14-Aug-23							
28	KTG & Thermodynamics	6	316	29-Jan-24	5	Stereoisomerism	9	170	29-Aug-23							
29	Calorimetry & Thermal Expansion	2	100	05-Feb-24	<b>Packet No.3</b>											
30	Heat Transfer	3	109	07-Feb-24	6	Haloalkanes and Haloarenes	5	100	02-Oct-23							
31	Electromagnetic Waves	1	107	10-Feb-24	7	Alcohols and Ethers	6	100	17-Oct-23							
32	Semiconductor	3	247	12-Feb-24	8	Hydrocarbon (Alkane, alkene, Alkyne)	6	100	20-Nov-23							
33	POC	2	101	15-Feb-24	<b>Packet No.4</b>											
34	Revision	1		17-Feb-24	9	Redox reaction	3	100	05-Dec-23							
					10	Aromatic Hydrocarbon (Benzene)	3	100	12-Dec-23							
					11	Aromatic Compounds (Phenol, Amines)	5	239	20-Dec-23							
					12	Aldehydes, Ketones and Carboxylic Acids	10	100	02-Jan-24							
					13	Biomolecules Polymer	6	348	30-Jan-24							
					14	Chemistry in Everyday Life	1	229	13-Feb-24							
					15	Environmental Chemistry	1	152	14-Feb-24							

**Note:** A Lecture of 90 minutes usually comprise of 15 minutes of DPP discussion, 30 minutes of Sheet discussion & 45 minutes of Theory Class.

**Note:** All information provided are tentative and may change.

## STUDY MATERIAL (DPPs) PLANNER

S. No.	Subject		Total Lectures	Pattern of DPPs		Total Questions in DPPs
				JEE (Main)	Avg. Qs. Per DPP	
1	Physics		195	80	15	1200
2	Chemistry	Physical/ Inorganic	115	80	20	1600
		Organic	80			
3	Mathematics		193	80	15	1200
<b>Total</b>			<b>583</b>	<b>240</b>	<b>50</b>	<b>4000</b>

## DISCUSSION PLANNER (DPPs)

S. No.	Week No.	DPP No.				No. of DPPs	S. No.	Week No.	DPP No.				No. of DPPs	S. No.	Week No.	DPP No.				No. of DPPs
		P	C		M				P	C		M				P	C		M	
			P/I	O						P/I	O						P/I	O		
1	Week-1	A1,A2	A1	O	A1,A2	5	14	Week-14	B9,B10,B11	B6,B7	B4	B13,B14	8	27	Week-27	C10,C11,C12	C5,C6	C3	C13,C14	8
2	Week-2	A3,A4	A2	A1	A3,A4	6	15	Week-15	B12,B13,B14	B8,B9	B5	B15,B16,B17	9	28	Week-28	C13,C14	C7	C4	C15,C16	6
3	Week-3	A5,A6	A3	A2	A5,A6	6	16	Week-16	B15,B16	B10	B6	B18,B19	6	29	Week-29	C15,C16	C8	C5	C17,C18	6
4	Week-4	A7,A8	A4	A3	A7,A8,A9	7	17	Week-17	B17,B18,B19	B11,B12	B7	B20,B21	8	30	Week-30	C17,C18,C19	C9,C10	C6	C19,C20	8
5	Week-5	A9,A10	A5	A4	A10,A11	6	18	Week-18	B20,B21	B13	B8	B22,B23	6	31	Week-31	C20,C21	C11	C7	C21,C22	6
6	Week-6	A11,A12	A6	A5	A12,A13,A14	7	19	Week-19	B22,B23	B14	B9	B24,B25	6	32	Week-32	C22,C23,C24	C12,C13	C8	C23,C24	8
7	Week-7	A13,A14	A7	A6	A15,A16,A17	7	20	Week-20	B24,B25	B15	B10	C1,C2,C3	7	33	Week-33	C25,C26,C27	C14	C9	C25,C26	7
8	Week-8	A15,A16	A8	A7	A18,A19,A20	7	21	Week-21	C1,C2	C1	O	C4,C5	5	34	Week-34	C28,C29	C15,C16	O	C27,C28	6
9	Week-9	A17,A18	A9	A8	B1,B2	6	22	Week-22	C3,C4	C2	O	C6,C7	5	35	Week-35	C30,C31	C17,C18	C10	C29,C30	7
10	Week-10	A19,A20	A10,A11	A9	B3,B4,B5	8	23	Week-23	O	O	O	C8	1	36	Week-36	C32,C33	C19,C20	C11	C31,C32	7
11	Week-11	B1,B2,B3	B1,B2	B1	B6,B7	8	24	Week-24	O	O	O	O	0	37	Week-37	C34,C35	C21,C22	O	C33,C34,C35	7
12	Week-12	B4,B5,B6	B3,B4	B2	B8,B9,B10	9	25	Week-25	C5,C6	C3	C1	C9,C10	6	38	Week-38	O	C23,C24	O	O	2
13	Week-13	B7,B8	B5	B3	B11,B12	6	26	Week-26	C7,C8,C9	C4	C2	C11,C12	7	<b>Total</b>		<b>80</b>	<b>50</b>	<b>30</b>	<b>80</b>	<b>240</b>

**Total No. of DPPs: 240 (P:80 | C:80 | M:80) | Total No. of Questions: 4000 (P:1200 | C:1600 | M:1200)**

## STUDY MATERIAL DISTRIBUTION PLANNER

S#	Packet	Distribution Week	Sheets/ Modules (T#)				DPP Booklets			
			PHY (P)	CHEM (C)		MATHS (M)	PHYSICS (P)	CHEMISTRY (C)		MATHEMATICS (M)
				P/I	OC			Physical/ Inorganic (P/I)	Organic (OC)	
1	First	On Course Commencement	1-6	1-5	1-3	1-3	DPP Booklet 01: A1 TO A20	DPP Booklet 01: A1 TO A11	DPP Booklet 01: A1 TO O9	DPP Booklet 01: A1 TO A20
2	Second	First Week of July 2023	7-12	6-9	4,5	4-9	DPP Booklet 02: B1 TO B25	DPP Booklet 02: B1 TO B15	DPP Booklet 02: B1 TO B10	DPP Booklet 02: B1 TO B25
3	Third	Third Week of September 2023	13-18	10-14	6-8	10-14	DPP Booklet 02: C1 TO B35	DPP Booklet 02: C1 TO C24	DPP Booklet 02: C1 TO C11	DPP Booklet 03: C1 TO C35
4	Fourth	Third Week of November 2023	19-34	15-22	9-15	15-22	NA	NA	NA	NA

## REVISION PLANNER

S. No.	Particular	For JEE (Main): Session-2
1	Start/ End	11.03.2024/ 30.03.2024
2	Duration	NA
3	No. of DPPs	NA
4	DPPs Discussion Hrs.	NA
5	No. of Qs. in DPPs	NA
6	No. of Tests	15 JEE (Main) Pattern Test
7	Testing Hrs.	45
8	No. of Qs in Tests	1350
9	Total No. of Qs	NA
10	Total Academic Hrs.	NA

\*This is tentative Revision Plan. The detailed day-wise structured Revision Planner shall be provided to the students few weeks before the Commencement Date.

## HOLIDAY PLANNER

S. No.	Holiday Schedule		No. of Days	Occasion / Reason
	Start Date / Day	End Date / Day		
1	15 <sup>th</sup> August 2023 (Tuesday)	15 <sup>th</sup> August 2023 (Tuesday)	1	Independence Day
2	30 <sup>th</sup> August 2023 (Wednesday)	30 <sup>th</sup> August 2023 (Wednesday)	1	Raksha Bandhan
3	09 <sup>th</sup> November 2023 (Thursday)	18 <sup>th</sup> November 2023 (Saturday)	10	Deepawali Holidays
4	26 <sup>th</sup> January 2024 (Friday)	26 <sup>th</sup> January 2024 (Friday)	1	Republic Day
<b>Total</b>			<b>13</b>	

Note: All information provided are tentative and may change.

## PERIODIC TEST PLANNER

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	First Comm. of Tentative Result to Parents / Parents	Communi-cation of Final Result to Students / Parents	Uploading of Result on Resonance Website	Physics		Chemistry		Mathematics	Total No. of Ques.	Testing Hours
							Periodic Test Syllabus & Paper Structure JEE (Main) 3 Hrs & 90 Qs		Inorganic & Organic				
							Physics	Chemistry	Physical				
1	MPT-1	JEE (Main)	01-07-23 (Saturday)	06-07-23 (Thursday)	08-07-23 (Saturday)	11-07-23 (Tuesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion.	Mole Concept	IUPAC Nomenclature	FOM	90 Qs	3 Hrs.	
2	MCT-1	JEE (Main)	15-07-23 (Saturday)	20-07-23 (Thursday)	22-07-23 (Saturday)	25-07-23 (Tuesday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, Newtons Laws of Motion.	Mole Concept, Quantum Mechanical Model of Atom (QMM), Periodic table	IUPAC Nomenclature, Structural Isomerism, Structural Identification	FOM, Quadratic Equation	90 Qs	3 Hrs.	
3	MPT-2	JEE (Main)	29-07-23 (Saturday)	03-08-23 (Thursday)	05-08-23 (Saturday)	08-08-23 (Tuesday)	Relative Motion, Newtons Laws of Motion, Friction, Work Power Energy, (Up to Definition of Work/Work Done by Constant Force)	Quantum Mechanical Model of Atom (QMM), Periodic Table, Real Gases, Chemical Bonding (Up to VSEPR)	Structural Isomerism, Structural Identification, POC	Quadratic Equation, Relation, Function (TF (Till Taught))	90 Qs	3 Hrs.	
4	MCT-2	JEE (Main)	19-08-23 (Saturday)	24-08-23 (Thursday)	26-08-23 (Saturday)	29-08-23 (Tuesday)	MCT 1 + Friction, Work Power Energy, Circular Motion, Geometrical Optics (Up to Velocity of Image and Magnification.)	MCT 1 + Real Gases, Chemical Bonding, Chemical Equilibrium (Up to Homogeneous Equilibrium)	MCT 1 + POC, GOC-I	MCT 1 + Relation, Function (TF, Limits, Continuity & Derivability)	90 Qs	3 Hrs.	
5	MPT-3	JEE (Main)	09-09-23 (Saturday)	14-09-23 (Thursday)	16-09-23 (Saturday)	19-09-23 (Tuesday)	Work Power Energy, Circular Motion, Geometrical Optics, Electrostatics (Up to Electric Field Due to Point Charge, Line Charge, Ring)	Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Up to pH of Polyprotic Acid & Poly Acidic Bases, Mixture of Acids & Bases.)	GOC-I, GOC-II	Relation, Function (TF, Limits, Continuity & Derivability), Sequence & Series, Straight Line	90 Qs	3 Hrs.	
6	MPT-4	JEE (Main)	30-09-23 (Saturday)	05-10-23 (Thursday)	07-10-23 (Saturday)	10-10-23 (Tuesday)	Electrostatics, Gravitation.	Chemical Equilibrium, Ionic Equilibrium, Coordination Compounds	Stereoisomerism	Straight line, Circle, Method of Differentiation, Application of Derivatives (Till Taught)	90 Qs	3 Hrs.	
7	MCT-3	JEE (Main)	21-10-23 (Saturday)	26-10-23 (Thursday)	28-10-23 (Saturday)	01-12-23 (Tuesday)	MCT 2 + Geometrical Optics, Electrostatics, Gravitation, Current Electricity, Capacitance, Centre of Mass, (Up to Momentum Conservation)	MCT 2 + Chemical Equilibrium, Ionic Equilibrium, Coordination Compounds, Electrochemistry, Metallurgy	MCT 2 + GOC-II, Stereoisomerism, Haloalkanes and Haloarenes	MCT 2 + Sequence & Series, Straight Line, Circle, Method of Differentiation, Application of Derivatives, Matrices & Determinant	90 Qs	3 Hrs.	
8	MPT-5	JEE (Main)	25-11-23 (Saturday)	30-11-23 (Thursday)	02-11-23 (Saturday)	05-11-23 (Tuesday)	Current Electricity, Capacitance, Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion	Electrochemistry, Metallurgy, p-Block (Nitrogen & Oxygen Family), Chemical Kinetics, p-Block (Halogens & Noble Gases)	Haloalkanes and Haloarenes, Alcohols and Ethers	Application of Derivatives, Matrices & Determinant, Indefinite Integration, Definite Integration & Its Application	90 Qs	3 Hrs.	
9	MPT-6	JEE (Main)	16-12-23 (Saturday)	21-12-23 (Thursday)	23-12-23 (Saturday)	26-12-23 (Tuesday)	String Wave, Sound Wave, Wave Optics.	Solution & Colligative Properties, Surface Chemistry	Hydrocarbon (Alkane, alkene, Alkyne), Redox Reaction	Definite Integration & Its Application, Mathematical Reasoning, Differential Equation, Statistics	90 Qs	3 Hrs.	
10	MCT-4	JEE (Main)	06-01-24 (Saturday)	11-01-24 (Thursday)	13-01-24 (Saturday)	16-01-24 (Tuesday)	MCT 3 + Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion, String Wave, Sound Wave, Wave Optics, EMF, EM.	MCT 3 + p-Block (Nitrogen & Oxygen Family), Chemical Kinetics, p-Block (Halogens & Noble gases), Solution & Colligative Properties, Surface Chemistry, Solid State, s-Block Elements	MCT 3 + Alcohols and Ethers, Hydrocarbon (Alkane, Alkyne, Alkyne), Redox Reaction, Aromatic Compounds	MCT 3 + Indefinite Integration, Definite Integration & Its Application, Mathematical Reasoning, Differential Equation, Statistics, Vector & 3-D, Binomial Theorem	90 Qs	3 Hrs.	
11	MPT-5	JEE (Main)	27-01-24 (Saturday)	01-02-24 (Thursday)	03-02-24 (Saturday)	06-02-24 (Tuesday)	MCT 4 + Wave Optics, EMF, EM, Alternating current, Modern Physics, Nuclear Physics.	MCT 4 + Thermodynamics & Thermochemistry, p-Block Elements (Boron & Carbon Family)	MCT 4 + Alcohols and Ethers, Hydrocarbon (Alkane, Alkyne, Alkyne), Redox Reaction, Aromatic Compounds, Aldehydes, Ketones	MCT 4 + Conic Section	90 Qs	3 Hrs.	
12	MT	JEE (Main)	17-02-24 (Saturday)	22-02-24 (Thursday)	24-02-24 (Saturday)	27-02-24 (Tuesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus (Except Solution of Triangle)	90 Qs	3 Hrs.	

**Total Periodic Assessment Tests (PATs): 12 | JEE (Main) Pattern: 12 Tests | Testing Time: 36 Hrs. | Qs. 1080**

**Total Qs & Testing Hrs. 1080**

**36 Hrs.**

**REGISTERED & CORPORATE OFFICE (CIN: U80302RJ2007PLC024029):**

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