

**COURSE PLANNER FOR STUDENTS: CLASS-XIII | AJAY (ER05)**

**Target: JEE (Main) 2019 | Medium: English | Hindi**

**Course Ends: 03.03.2019**

PHYSICS (PI)				CHEMISTRY (CI)								
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	14	29.08.2018	<b>PHYSICAL/INORGANIC</b>			<b>ORGANIC</b>					
2	GRAVITATION	3	18.09.2018	1	CHEMICAL BONDING-5	3	03.09.2018	1	GOC-II	6	21.08.2018	
3	CURRENT ELECTRICITY	6	21.09.2018	2	CHEMICAL EQUILIBRIUM	6	10.09.2018	2	STEREISOIMERISM	5	11.09.2018	
4	CAPACITANCE	5	28.09.2018	3	METALLURGY	3	20.09.2018	3	ORM-I	5	01.10.2018	
5	CIRCULAR MOTION	5	04.10.2018	4	IONIC EQUILIBRIUM (ELEMENTARY)	5	26.09.2018	4	ORM-II	5	16.10.2018	
6	CENTRE OF MASS	7	11.10.2018	5	EQUIVALENT CONCEPT	3	08.10.2018	5	REDUCTION, OXIDATION & HYDROLYSIS	3	19.11.2018	
7	RIGID BODY DYNAMICS	14	19.10.2018	6	COORDINATION COMPOUNDS	8	11.10.2018	6	ORM-III	4	26.11.2018	
8	SIMPLE HARMONIC MOTION	5	17.11.2018	7	ELECTROCHEMISTRY	7	30.10.2018	7	ORM-IV	3	10.12.2018	
9	STRING WAVE	5	23.11.2018	8	CHEMICAL KINETICS	6	21.11.2018	8	AROMATIC COMPOUND	3	18.12.2018	
10	SOUND WAVE	7	30.11.2018	9	SOLUTION & COLLIGATIVE PROPERTIES	6	29.11.2018	9	CARBONYL COMPOUNDS	2	25.12.2018	
11	WAVE OPTICS	4	08.12.2018	10	SOLID STATE	5	11.12.2018	10	ACID & DERIVATIVES	1	03.01.2019 to	
12	EM WAVE	1	13.12.2018	11	THERMODYNAMICS & THERMOCHEMISTRY	6	19.12.2018	11	BIOMOLECULES	2	12-01-2019	
13	SEMICONDUCTOR	3	14.12.2018	12	d-BLOCK ELEMENT	2	27.12.2018	12	ACID & DERIVATIVES	1	14.01.2019 to	
14	POC	2	18.12.2018	13	p-BLOCK ELEMENTS (B & C FAMILY)	2	03.01.2019	13	BIOMOLECULES	2	22-01-2019	
15	EMF	6	20.12.2018	14	p-BLOCK(N & O)	4	07.01.2019	14	POLYMER	1	23.01.2019	
16	EMI	5	28.12.2018	15	p-BLOCK ELEMENTS (B & C FAMILY)	2	14.01.2019	15	PHYSICAL PROPERTIES & CHEMISTRY IN EVERYDAY LIFE	1	24.01.2019	
17	ALTERNATING CURRENT	2	03.01.2019	16	p-BLOCK (N & O)	4	16.01.2019	16	GOC-I (REVISION)	1	25.01.2019	
18	MODERN PHYSICS-I	6	07.01.2019	17	p-BLOCK ELEMENTS (B & C FAMILY)	2	24.01.2019	17	GOC-II (REVISION)	1	28.01.2019	
19	ALTERNATING CURRENT	2	14.01.2019	18	p-BLOCK (N & O)	5	26.01.2019	18	STEREISOIMERISM (REVISION)	1	29.01.2019	
20	MODERN PHYSICS-I	7	16.01.2019	19	SURFACE CHEMISTRY	2	30.01.2019	19	ORM-I TO ORM-IV (REACTION MECHANISM (REVISION))	4	04.02.2019	
21	NUCLEAR PHYSICS	4	22.01.2019	20	s-BLOCK	4	04.02.2019	20	CARBONYL COMPOUNDS (REVISION)	1	12.02.2019	
22	FLUID MECHANICS	4	30.01.2019	21	p-BLOCK(HALOGEN & NOBLE GASES)	3	11.02.2019	21	AROMATIC (REVISION)	1	18.02.2019	
23	SURFACE TENSION	3	05.02.2019	22	QUALITATIVE ANALYSIS-1	3	14.02.2019	22	REDUCTION, OXIDATION & HYDROLYSIS	1	19.02.2019	
24	ELASTICITY AND VISCOSITY	2	08.02.2019	23	QUALITATIVE ANALYSIS-2	3	19.02.2019	23	BIOMOLECULES (REVISION)	1	20.02.2019	
25	KTG AND THERMODYNAMICS	8	11.02.2019	24				24	CHEMISTRY IN EVERYDAY LIFE, ENVIRONMENTAL CHEMISTRY	1	25.02.2019	
26	CALORIMETRY & THERMAL EXPANSION	3	20.02.2019	25				25	POLYMERS & POC	1	26.02.2019	
27	HEAT TRANSFER	5	25.02.2019	<b>Total No. of Lectures</b>			<b>152</b>					
<b>Total No. of Lectures</b>				<b>138</b>				<b>MATHEMATICS (MI)</b>				
				S. No.	Topic Name/Sequence	No of Lectures	Starting Date	S. No.	Topic Name/Sequence	No of Lectures	Starting Date	
				1	APPLICATION OF DERIVATIVES	14	05.09.2018	11	DEFINITE INTEGRATION & ITS APPLICATION	9	17.12.2018	
				2	STATISTICS	2	22.09.2018	12	DIFFERENTIAL EQUATION	5	28.12.2018	
				3	MATRICES & DETERMINANT	9	25.09.2018	13	BINOMIAL THEOREM	9	03.01.2019	
				4	STRAIGHT LINE	10	05.10.2018	14	BINOMIAL THEOREM	8	14.01.2019	
				5	CIRCLE	8	18.10.2018	15	PERMUTATION & COMBINATION	8	23.01.2019	
				6	MATHEMATICAL REASONING	3	29.10.2018	16	PROBABILITY	5	04.02.2019	
				7	SETS & RELATION	2	01.11.2018	17	COMPLEX NUMBER	8	09.02.2019	
				8	CONIC SECTION	10	15.11.2018	18	SEQUENCE & SERIES	5	19.02.2019	
				9	VECTOR & 3-D	11	28.11.2018	19	SOLUTION OF TRIANGLE	3	26.02.2019	
				10	INDEFINITE INTEGRATION	5	11.12.2018	<b>Total No. of Lectures</b>				
				<b>Total No. of Lectures</b>				<b>134</b>				

**Important Notice: Due to JEE (Main) exam date lie between 3<sup>rd</sup> Jan to 23<sup>rd</sup> Jan 2019 the topic taught between 3<sup>rd</sup> Jan to 12<sup>th</sup> Jan will get repeated on 14<sup>th</sup> Jan to 23<sup>rd</sup> Jan**

**Topic wise Test (TWT) & Accelerated Completion Package (ACP) Schedule**  
Period: 05<sup>th</sup> Nov to 14<sup>th</sup> Nov 18

PHYSICS		CHEMISTRY		MATHS	
S. No.	Topic Name/Sequence	S. No.	Topic Name/Sequence	S. No.	Topic Name/Sequence
1	Alternating Current	1	S-block	1	Binomial Theorem
2	Modern Physics	2	p-block	2	Permutation & Combination
3	Nuclear Physics	3	Surface Chemistry	3	Probability
4	Fluids	4	Carbonyl Compound & Acid Derivatives	4	Complex Number
5	Surface Tension	5	Biomolecules	5	Sequence & Series
6	Elasticity & Viscosity	6	Polymer	6	Solution of Triangle
7	KTG & Thermodynamics	7	Chemistry in Everyday Life		
8	Calorimetry				
9	Thermal Expansion & Heat Transfer				

**IMPORTANT NOTE:**

05<sup>th</sup> Nov to 14<sup>th</sup> Nov 2018, Topic Wise Test (TWT) will be available in students login.  
(a) Chapter wise tests targeting **JEE (Main)** revision.  
(b) Student can **create** his own three hours test paper by selecting own choice of **TWT** each from PCM.  
(c) ACP study material will be provided on 1<sup>st</sup> week of Nov., 2018.

**Holidays/ Vacations (Total: 11-Days):** 1. Deepawali Holidays: From 05<sup>th</sup> November, 2018 (Monday) to 14<sup>th</sup> November, 2018 (Wednesday): 10 Days, 2. Republic Day: 26<sup>th</sup> January, 2019: One Day (Applicable only at Kota SC and at other SC's Deepawali vacation will be informed to students as per respective SC holiday calendar)

**RESONANCE EDVENTURES LTD.**

# PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

## Test Pattern: JEE (Main)

S. No.	Periodic Test Type and No.	Mode	Periodic Test Date	First Display (Notice Board) & Communication to parent with Centre Rank	Display & Communication of Final Result with All Resonance	Uploading of Result on Resonance Website	Physics	Periodic Test Syllabus		Mathematics	Testing Hours
								Physical/ Inorganic	Chemistry		
1	MPT-2	Offline	16-09-18 (Sunday)	20-09-18 (Thursday)	25-09-18 (Tuesday)	27-09-18 (Thursday)	Geometrical Optics, NLM, Friction, Work, Power & Energy, Electrostatics (Up to Electric field)	Real gas, Chemical Bonding	Structure identification, POC, GOC-1 (Complete)	Quadratic Equations + Function & IIT + Limits	3
2	MCT-2	Online	14-10-18 (Sunday)	18-10-18 (Thursday)	23-10-18 (Tuesday)	25-10-18 (Thursday)	Rectilinear motion, projectile motion, relative motion, Geometrical Optics, NLM, Friction, Work, power, energy, Electrostatics, Current Electricity, Capacitance	Mole Concept, QMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Metallurgy.	GOC-1, GOC-II & Stereo isomerism ( Geometrical & Optical isomers)	Fundamentals of Mathematics, Quadratic Equation, Function & IIT, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant (Upto Determinant only)	3
3	MPT-3	Offline	28-10-18 (Sunday)	01-11-18 (Thursday)	06-11-18 (Tuesday)	08-11-18 (Thursday)	Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Center of mass, Rigid Body Dynamics (Up to Rotational equilibrium)	Chemical Equilibrium, Metallurgy, Ionic Equilibrium	GOC-II, Stereoisomers & ORM-1	Limits, Continuity & Derivability, Application of Derivatives, Matrices & Determinant, Straight Line	3
4	MCT-3	Online	25-11-18 (Sunday)	29-11-18 (Thursday)	04-12-18 (Tuesday)	06-12-18 (Thursday)	Rectilinear motion, projectile motion, relative motion, Geometrical Optics, NLM, Friction, Work, power, energy, Electrostatics, Gravitation, Current electricity, Capacitance, Circular motion, Centre of mass, RBD, Error, Screw gauge	Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Metallurgy, Ionic Equilibrium (elementary), Equivalent Concept, d-block elements, Coordination compounds (All Chemintors and Handouts Till date)	Stereoisomers and ORM-I & ORM- II complete	Fundamentals of Mathematics, Quadratic Equation, Function & IIT, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant, Straight Line, Circle, Mathematical Reasoning, Sets & Relation	3
5	AIOT1	Online + Offline	23-12-18 (Sunday)	27-12-18 (Thursday)	01-01-19 (Tuesday)	03-01-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
6	MMT	Online	30-12-18 (Sunday)	03-01-19 (Thursday)	08-01-19 (Tuesday)	10-01-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
7	MPT-4	Online	03-02-19 (Sunday)	07-02-19 (Thursday)	12-02-19 (Tuesday)	14-02-19 (Thursday)	Electrostatics, Gravitation, Current electricity, capacitance, Circular motion, Centre of Mass, Rigid Body Dynamics, Simple harmonic motion, string waves, sound waves, wave optics, EMF, EMI, Alternating current, Modern Physics, Nuclear physics.	Chemical Kinetics, Solution & Colligative Properties, Solid State, Thermodynamics, p-Block (13 to 16 Group)	Aromatic compounds, Carbonyl compounds, Acid & Acid derivatives	Circle, Conic Section, Vector & 3-D, Indefinite Integration, Definite integration & Its Application, Differential Equation, Binomial Theorem	3
8	AIOT2	Online + Offline	17-02-19 (Sunday)	21-02-19 (Thursday)	26-02-19 (Tuesday)	28-02-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
9	MT	—	03-03-19 (Sunday)	07-03-19 (Thursday)	12-03-19 (Tuesday)	14-03-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
10	JPT1	Online + Offline	10-03-19 (Sunday)	14-03-19 (Thursday)	19-03-19 (Tuesday)	21-03-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
11	JPT2	Online + Offline	17-03-19 (Sunday)	21-03-19 (Thursday)	26-03-19 (Tuesday)	28-03-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	JPT3 + JPT4	Online (Student login)	24-03-19 (Sunday)	28-03-19 (Thursday)	02-04-19 (Tuesday)	04-04-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
										<b>Total Testing Hours</b>	<b>36</b>

Note: 1. Students are advised to refer their notice board for test timings 2. Their will be no classes on the preceding saturday before every PTs/ CIs (except BPTs).  
3. Student can submit their request for re-evaluation in two working days after first display of result.