

Academic Session: 2017-18

## COURSE PLANNER

For Students of

### CLASS-XII | VIJETA (JP)

Target: JEE (Main + Advanced) 2018

Medium: English | Hindi

#### COURSE CONCEPT

A Course which offers ample time of 2 years after Class-X to become an expert in the curriculum of JEE (Main + Advanced). In the first year (during Class-XI) the course progresses with basic fundamental study; covering upon the syllabus of boards (At Kota study centre) alongwith the preparation for JEE (Main + Advanced). After completion of Class-XI syllabus the students are promoted to second year (for Class-XII) on basis of their cumulative performance in the periodic tests held in Class-XI. The course helps in development of concepts, rigorous practice for board exams, enhancement of analytical thinking and increasing the confidence level of aspirant.

Course Commencement: 03.04.2017 | Course End: 16.12.2017

#### RESONANCE TEACHING METHODOLOGY

##### Preparation for JEE (Main + Advanced)

Classroom Teaching

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Daily Practice Problems (DPPs)

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Study Material (Sheets/Modules)

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APT - Advanced Pattern Part Test

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ACT - Advanced Pattern Cumulative Test

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MCT - Main Pattern Cumulative Test

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Doubt Classes

##### Preparation for Board Examination

Classroom Teaching & NCERT Book Discussion

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Resonance Board Worksheets (RBWs)

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Study Material (Sheets/Modules)

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Board/Olympiad (BPTs/OPTs) Pattern Tests

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Doubt Classes

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Support for Fourth Subject (English)\*

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Support for Fifth Subject\*

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Support for Practical (Physics & Chemistry)

\*The support for Fourth subject (English), Fifth subject & Practical is provided by the institute to students on Optional & Nominal Chargeable basis.

#### TEACHING/ LEARNING TOOLS

- ◆ **Daily Practice Problems (DPPs):** A handout having problems for home assignment, practice and classroom discussion covering current and previous topics. A DPP for JEE (Advanced) has 7-10 problems and DPP for JEE (Main) contains approximate 20 problems.
- ◆ **Board Worksheet:** Questions on board pattern with blank spaces (to write their answers) are provided to students in the form of worksheets. Students after completing the worksheet; have to submit it for evaluation. It ensures optimum practice of students for board examinations.
- ◆ **Study Material (Sheets/Modules):** Topic wise study material having key concepts, problems for practice in various Exercise Levels and questions asked in previous years (Board/JEE (Main)/JEE (Advanced)).
- ◆ **Periodic Tests:** Periodic Tests are conducted having part syllabus (Part Tests - PTs) with many problems of seen nature and Tests comprising of the syllabus taught till date (Cumulative Tests - CTs) with unseen problems. Both PTs and CTs are conducted on the pattern of JEE (Main and Advanced) in offline and online mode. Also alongwith them Board Practice Tests (BPTs) are conducted.

#### TOTAL ACADEMIC HOURS

- ◆ **Course Duration:** 37 Weeks
- ◆ **Total Number of Lectures: 459** (P: 144 | C: 172 | M: 143)
- ◆ **Duration of one lecture:** 1.5 hrs = 90 minutes
- ◆ **Total Duration of Classroom Teaching:** 689 hrs
- ◆ **Total Duration of Testing Hours (ACTs/MCTs/BPTs/MT/AIOT):** 135 hrs
- ◆ **Total Duration of OLYMPIAD/KVPY/BITSAT Testing Hours:** 85 hrs
- ◆ **Total Academic Hours in VIJETA Course: 909 hrs**

#### Disclaimer:

- ◆ The Institute reserves the right to increase/decrease the number of lectures allotted to any topic and also make changes in the sequence of the topics of each subject depending upon the course requirements.
- ◆ This Course Planner in all respects is applicable only at Kota (Rajasthan). At other Resonance Study Centres, Students/Parents may find some 'minor' variations to accommodate City specific features/factors.
- ◆ The Topic Start Date mentioned here might vary for batches starting on different dates of the particular course. However the coverage of the content in any topic shall remain the same, it is done by altering the frequency of proposed/planned lectures in a particular week.
- ◆ The information given in this Course Planner is proposed for Academic Session 2017-18. The institute reserves the right to make changes in it in the interest of students.

**Holidays/ Vacations (Total: 13-Days):** 1. Independence Day: 15<sup>th</sup> August, 2017 : One Day 2. Deepawali Holidays: From 16<sup>th</sup> October, 2017 (Monday) to 25<sup>th</sup> October, 2017 (Wednesday): 10 Days 3. Republic Day: 26<sup>th</sup> January, 2018: 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)

# SUBJECT WISE SYLLABUS PLAN

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

PHYSICS [P]				CHEMISTRY [C]				MATHEMATICS [M]			
S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date	S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date	S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date
1	Geometrical Optics	22	03.04.17	PHYSICAL/ INORGANIC				1	Function & ITF	18	03.04.17
2	Measurement Error & Experiments	3	28.04.17	1	Solution & Colligative Properties	10	03.04.17	2	Limits, Continuity & Derivability	13	26.04.17
3	Electrostatics	23	02.05.17	2	Coordination compound	12	24.04.17	3	Method of Differentiation (Only Special DPP)	5	16.05.17
4	Gravitation	5	02.06.17	3	Solid State	10	22.05.17	4	Matrices & Determinant	13	22.05.17
5	Current Electricity	11	12.06.17	4	Electrochemistry	12	12.06.17	5	Mathematical Reasoning	3	08.06.17
6	Heat Transfer	4	03.07.17	5	Metallurgy	5	14.07.17	6	Application of Derivatives	17	12.06.17
7	Capacitance	9	10.07.17	6	Qualitative Analysis(Only ANION)	6	28.07.17	7	Indefinite Integration	8	12.07.17
8	EMF	13	25.07.17	7	Nitrogen & Oxygen Family	7	14.08.17	8	Definite Integration & Its Application	15	31.07.17
9	EMI	11	22.08.17	8	Equivalent Concept & Titrations	6	04.09.17	9	Differential Equation	7	28.08.17
10	Alternating Current	5	11.09.17	9	Halogen & Nobel gas	4	22.09.17	10	Vector & 3-D	18	07.09.17
11	Modern Physics-I	10	19.09.17	10	Surface Chemistry	5	06.10.17	11	Binary operation (Only special DPP)	2	26.10.17
12	Nuclear Physics	6	11.10.17	11	Chemical Kinetics	9	03.11.17	12	Linear Programming (Only special DPP)	1	30.10.17
13	Wave Optics	7	01.11.17	12	Qualitative Analysis (Only Cation)	5	24.11.17	13	Complex Number	16	31.10.17
14	Semiconductor	6	15.11.17	13	d-Block	4	09.12.17	14	Revision	7	29.11.17
15	Principle of Communication	2	27.11.17	ORGANIC							
16	Electromagnetic Waves	2	02.12.17	1	GOC-II	15	03.04.17				
17	Miscellaneous	5	05.12.17	2	Stereoisomerism	13	04.05.17				
<b>Total No. of Lectures</b>		<b>144</b>		<b>Total No. of Lectures</b>		<b>172</b>		<b>Total No. of Lectures</b>		<b>143</b>	

\*After Diwali vacations Revision plan shall be conveyed later.

## Discussion Schedule of Daily Practice Problems (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		
1	Week-1	A1,2,3	A1	A1	A1,2,3	8	14	Week-14	9,10,11	5	4	9,10,11	8	27	Week-27	38,39	21	16	38,39	6
2	Week-2	4,5,6	2	2	4,5,6	8	15	Week-15	12,13	6,7	5	12,13	7	28	Week-28	40,41,42	0	17	40,41,42	7
3	Week-3	7	3,4	3	7	5	16	Week-16	14,15,16	8	6	14,15,16	8	29	Week-29	Diwali Vacations				
4	Week-4	8,9,10	5,6	4	8	7	17	Week-17	17	9	7	17	4	30	Week-30	43,44,45	0	18	43,44,45	7
5	Week-5	11,12,13	7	5	9,10,11	8	18	Week-18	18,19	10	8	18,19	6	31	Week-31	46,47	22,23	19	46,47	7
6	Week-6	14,15,16	8,9	6	12	7	19	Week-19	20,21,22	11,12	9	20,21,22	9	32	Week-32	48,49	24	20	48,49	6
7	Week-7	17,18,19	10	7	13,14,15	8	20	Week-20	23,24	13	10	23,24	6	33	Week-33	50,51,52	25	21	50,51,52	8
8	Week-8	20,21	11,12	8	16	6	21	Week-21	25,26,27	14,15	11	25,26,27	9	34	Week-34	53,54,55	26	22	53,54	7
9	Week-9	22,23,24	13	9	17	6	22	Week-22	28,29	16	12	28,29	6	35	Week-35	56,57	27	23	55,56	6
10	Week-10	25,26	0	10	18,19,20	6	23	Week-23	30,31,32	17	13	30,31,32	8	36	Week-36	0	28	24	57,58,59	5
11	Week-11	B1,2,3	B1	B1	B1,2,3	8	24	Week-24	33,34	18	14	33,34	6	37	Week-37	0	0	25	60	2
12	Week-12	4,5	2	2	4,5	6	25	Week-25	35,36,37	19	15	35,36,37	8	<b>Total Number of DPPs</b>					<b>284</b>	
13	Week-13	6,7,8	3,4	3	6,7,8	9	26	Week-26	0	20	0	0	1							

P: Physics | C (P): Chemistry (Physical) | C (O): Chemistry (Inorganic/Organic) | M: Mathematics

## RESONANCE BOARD WORKSHEET SCHEDULE (RBW)

PHYSICS						CHEMISTRY						MATHEMATICS					
Week No.	RBW Dist. Date	RBW No.	Week No.	RBW Dist. Date	RBW No.	Week No.	RBW Dist. Date	RBW No.	Week No.	RBW Dist. Date	RBW No.	Week No.	RBW Dist. Date	RBW No.	Week No.	RBW Dist. Date	RBW No.
W-3	17-04-2017	1	W-22	28-08-2017	4	W-11	12-06-2017 (P/I)	1	W-31	30-10-2017 (O)	4	W-6	08-05-2017	1	W-32	06-11-2017	4
W-8	22-05-2017	2	W-27	02-10-2017	5	W-18	31-07-2017 (O)	2	W-35	02-12-2017 (P/I)	5	W-19	07-08-2017	2	<b>TOTAL RBWs</b>		<b>4</b>
W-16	17-07-2017	3	W-34	20-11-2017	6	W-23	07-09-2017 (P/I)	3	<b>TOTAL RBWs</b>		<b>5</b>	W-25	18-09-2017	3			
<b>TOTAL RBWs</b>			<b>6</b>														

# PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	First Display of Result with Centre Rank on Notice Boards @ Resonance	Display of Final Result with All Resonance Bank (ARR) on Notice Boards @ Resonance	Communication to Parents with ARR	Uploading of Result on Resonance Website	Periodic Test Syllabus		Testing Hours
								Physics	Chemistry	
1	Scholarship Test	JEE (Advanced)	23-04-17 (Sunday)	27-04-17 (Thursday)	02-05-17 (Tuesday)	02-05-17 (Tuesday)	04-05-17 (Thursday)	Full XI class Syllabus	Full XI Class Syllabus	6
2	APT-1	JEE (Advanced)	07-05-17 (Sunday)	11-05-17 (Thursday)	16-05-17 (Tuesday)	16-05-17 (Tuesday)	18-07-17 (Thursday)	Solution & Colligative Properties, Coordination compound (upto Werner's theory & EAN rule), Thermodynamics (line equilibrium, s-block element)	Full XI Class Syllabus GOC-II & Physical Properties POC-II & Polymer and ABC-I	6
3	ACT-1	JEE (Advanced)	28-05-17 (Sunday)	01-06-17 (Thursday)	06-06-17 (Tuesday)	06-06-17 (Tuesday)	08-06-17 (Thursday)	GO: Electrostatics, Gravitation, Measurement Errors, Current Electricity, Heat Transfer, Capacitance, Dielectric, EMF, Cells on a string & Sound wave	GO: Physical Properties, POC-II, Polymer, Geometrical Isomerism & Optical Isomerism, Structure Identification & POC	6
4	APT-2	JEE (Advanced)	18-06-17 (Sunday)	23-06-17 (Thursday)	27-06-17 (Tuesday)	27-06-17 (Tuesday)	29-06-17 (Thursday)	Electrostatics, Gravitation, Measurement Errors, Current Electricity, Heat Transfer, Capacitance, Dielectric, EMF, Cells on a string & Sound wave	Stereoisomerism, Chemical Kinetics Reaction Reagents & Reagent and ABC-II	6
5	MCT-1 + BPT-1	JEE (Main) + Board	02-07-17 (Sunday)	06-07-17 (Thursday)	11-07-17 (Tuesday)	11-07-17 (Tuesday)	13-07-17 (Thursday)	MCT: GO: Electrostatics, Gravitation, Measurement Errors, Current Electricity, Heat Transfer, Capacitance, Dielectric, EMF, Cells on a string & Sound wave BPT: Geometrical Optics & Electrostatics	GO: Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Reagent and ABC-I & II, up to Molecular addition reaction (Diels Alder reaction), Structural Isomerism, Structure Identification, IUPAC & Stereo Isomerism	6
6	ACT-2	JEE (Advanced)	30-07-17 (Sunday)	03-08-17 (Thursday)	09-08-17 (Tuesday)	08-08-17 (Tuesday)	10-08-17 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Measurement Errors and Experiments, Current Electricity, Heat Transfer, Capacitance, Dielectric, Kermatius, N.M., Friction, WPE	GO: Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Reagent and ABC-I & II, ORM-I (Diels Alder reaction, substitution reaction and ABC-I, II, III, IV)	6
7	APT-3	JEE (Advanced)	20-08-17 (Sunday)	24-08-17 (Thursday)	29-08-17 (Tuesday)	29-08-17 (Tuesday)	31-08-17 (Thursday)	Current Electricity, Capacitance, Heat Transfer, EMF, Cells on a string, N.M., Friction, WPE, Circular Motion	ORM-I, ORM-II & Reduction and ABC-III	6
8	MCT-2 + BPT-2	JEE (Advanced)	10-09-17 (Sunday)	14-09-17 (Thursday)	19-09-17 (Tuesday)	19-09-17 (Tuesday)	21-09-17 (Thursday)	MCT: GO: Electrostatics, Gravitation, Measurement Errors, Current Electricity, Heat Transfer, Capacitance, Dielectric, EMF, Cells on a string & Sound wave BPT: Circular Motion, N.M., Friction, WPE, Circular Motion, C.M., RBD, Elasticity & Viscosity, Surface Tension, Error & Measurement	GO: Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Reagent and ABC-I & II, BPT-2: Solution & Colligative Properties, Coordination Compound, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis, (Only anion), p-Block (13-16 group)	6
9	ACT-3	JEE (Advanced)	01-10-17 (Sunday)	05-10-17 (Thursday)	10-10-17 (Tuesday)	10-10-17 (Tuesday)	12-10-17 (Thu.)	GO: Electrostatics, Gravitation, Measurement Errors and Experiments, Current Electricity, Heat Transfer, Capacitance, Dielectric, EMF, Cells on a string & Sound wave, Photoelectric effect, Circular Motion, Centre of mass, RBD	GO: Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Reagent and ABC-I & II, BPT-2: Solution & Colligative Properties, Coordination Compound, Solid State, Electrochemistry, Metallurgy, Qualitative Analysis, (Only anion), p-Block (13-16 group)	6
10	APT-4	JEE (Advanced)	29-10-17 (Sunday)	02-11-17 (Thursday)	07-11-17 (Tuesday)	07-11-17 (Tuesday)	09-12-17 (Thu.)	EMF, EMV, AC, Modern Physics, Nuclear Physics, C.M., RBD, Fluid Mechanics, Elasticity & Viscosity, Surface Tension	Solution & Colligative Properties, Solid State, Coordination Compound, Electrochemistry, Metallurgy, Qualitative Analysis, (Only anion), p-Block (13-16 group)	6
11	MCT-3 + BPT-3	JEE (Main)	19-11-17 (Sunday)	23-11-17 (Thursday)	28-11-17 (Tuesday)	28-11-17 (Tuesday)	30-11-17 (Thu.)	MCT: GO: Electrostatics, Gravitation, Measurement Errors and Experiments, Current Electricity, Heat Transfer, Capacitance, Dielectric, EMF, Cells on a string & Sound wave, Photoelectric effect, Circular Motion, Centre of mass, RBD BPT: AC, Modern Physics-I, Nuclear Physics, Wave Optics	GO: Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Reagent and ABC-I & II, Reduction, Oxidation, Hydrolysis & DRM-III and GOC-I	6
12	Mock-BPT	Board (Maths)	16-12-17 (Saturday)	21-12-17 (Thursday)	26-12-17 (Tuesday)	26-12-17 (Tuesday)	28-12-17 (Thu.)	GO: Electrostatics, Gravitation, Measurement Errors and Experiments, Current Electricity, Heat Transfer, Capacitance, Dielectric, EMF, Cells on a string & Sound wave, Photoelectric effect, Circular Motion, Centre of mass, RBD	Reduction, Oxidation, Hydrolysis, DRM-III, ORM-IV & Reagent and ABC-IV	3
13	MT-1	JEE (Advanced)	17-12-17 (Sunday)	21-12-17 (Thursday)	26-12-17 (Tuesday)	26-12-17 (Tuesday)	28-12-17 (Thu.)	Full Syllabus	Full Syllabus	6
14	Mock-BPT	Board (Phys.)	19-12-17 (Tuesday)	21-12-17 (Thursday)	26-12-17 (Tuesday)	26-12-17 (Tuesday)	28-12-17 (Thu.)	Full Syllabus	Full Syllabus	3
15	Mock-BPT	Board (Chem.)	20-12-17 (Wednesday)	23-12-17 (Saturday)	26-12-17 (Tuesday)	26-12-17 (Tuesday)	28-12-17 (Thu.)	Full Syllabus	Full Syllabus	3
16	MT-2	JEE (Advanced)	24-12-17 (Sunday)	28-12-17 (Thursday)	02-01-18 (Tuesday)	02-01-18 (Tuesday)	04-01-18 (Thu.)	Full Syllabus	Full Syllabus	6
17	MT-1	JEE (Main)	26-12-17 (Tuesday)	28-12-17 (Thursday)	02-01-18 (Tuesday)	02-01-18 (Tuesday)	04-01-18 (Thu.)	Full Syllabus	Full Syllabus	3
18	MT-3	JEE (Advanced)	07-01-18 (Sunday)	11-01-18 (Thursday)	16-01-18 (Tuesday)	16-01-18 (Tuesday)	18-01-18 (Thu.)	Full Syllabus	Full Syllabus	6
19	MT-2	JEE (Main)	11-01-18 (Thursday)	13-01-18 (Saturday)	16-01-18 (Tuesday)	16-01-18 (Tuesday)	18-01-18 (Thu.)	Full Syllabus	Full Syllabus	3
20	AJOT	JEE (Main)	28-01-18 (Sunday)	01-02-18 (Thursday)	06-02-18 (Tuesday)	06-02-18 (Tuesday)	08-02-18 (Thu.)	Full Class XI Syllabus	Full Class XI Syllabus	3
21	AJOT	JEE (Advanced)	25-02-18 (Sunday)	01-03-18 (Thursday)	06-03-18 (Tuesday)	06-03-18 (Tuesday)	08-03-18 (Thu.)	Full Class XI Syllabus	Full Class XI Syllabus	6
22	MT	JEE (Main)	04-03-18 (Sunday)	08-03-18 (Thursday)	13-03-18 (Tuesday)	13-03-18 (Tuesday)	15-03-18 (Thu.)	Common with JA	Common with JA	3
23	JEE (Advanced)	JEE (Advanced)	06-03-18 (Tuesday)	08-03-18 (Thursday)	13-03-18 (Tuesday)	13-03-18 (Tuesday)	15-03-18 (Thu.)	Full Syllabus	Full Syllabus	6
24	JPT-1	JEE (Main)	11-03-18 (Sunday)	15-03-18 (Thursday)	20-03-18 (Tuesday)	20-03-18 (Tuesday)	22-03-18 (Thu.)	Full Syllabus	Full Syllabus	3
25	JPT-2	JEE (Main)	18-03-18 (Sunday)	22-03-18 (Thursday)	27-03-18 (Tuesday)	27-03-18 (Tuesday)	29-03-18 (Thu.)	Full Syllabus	Full Syllabus	3
26	JPT-1	JEE (Advanced)	29-04-18 (Sunday)	03-05-18 (Thursday)	08-05-18 (Tuesday)	08-05-18 (Tuesday)	10-05-18 (Thu.)	Full Syllabus	Full Syllabus	6
27	JPT-2	JEE (Advanced)	13-05-18 (Sunday)	15-05-18 (Tuesday)	17-05-18 (Thursday)	17-05-18 (Thursday)	19-05-18 (Sat.)	Full Syllabus	Full Syllabus	6

Note: For Test timings please refer to your respective notice board.

# OLYMPIAD/ KVPY/ BITSAT Test Schedule (A: ASTRONOMY, P: PHYSICS, C: CHEMISTRY, M: MATHEMATICS)

S. No.	Test Date	OLYMPIAD	KVPY	BITSAT
1	25-06-2017 (Sunday)	<b>P/A1:</b> XI syllabus complete, XII - GO, Electrostats, Gravitation, Measur. Error and Exp., Current Elec., Heat Trf., Capacitance, EMF. (Common) & Basic Astro. <b>A1 (M):</b> XI Full syllabus, Matrices & Determinants, Functions & I/F, Limit, Continuity & Differentiability, MOD, Applications of Derivative, Indefinite/ Definite integration.	-	-
2	09-07-2017 (Sunday)	-	<b>M:</b> Set & Relation, Function, Inv. Trigno. Function, Limits, Continuity & Derivability <b>C:</b> Sol. & Collg. Prop., Coordination Comp., Solid State, Electrochem. <b>P:</b> XI Full syllabus, XII - GO, Electrostat, Gravitation, Measur Error & Exp., Current Elec., Heat Trf., Capacitance, EMF.	-
3	16-07-2017 (Sunday)	<b>C1:</b> Solution & Colligative Prop., Coordination Comp., Solid State, Electrochemistry	-	-
4	23-07-2017 (Sunday)	-	<b>M:</b> MOD, Matrices & Determinant, FOM-I & II, Quad. Equ. <b>C:</b> Solu. & Collg. Prop., Coordination Comp., Solid State, Electrochem., Metallurgy <b>P:</b> XI Full syllabus, GO, Electrostat, Gravitation, Measur. Error & Exp., Current Electricity, Heat Trf., Capacitance, EMF, EMI, AC.	-
5	06-08-2017 (Sunday)	-	<b>P:</b> XI Full syllabus, GO, Electrostat, Gravitation, Measur. Error & Exp., Current Elec., Heat Trf., Capacitance, EMF, EMI, AC, Modern Physics-I. <b>M:</b> ADD, Sequence & Series, Binomial Theorem, P&C <b>C:</b> Solu. & Collg. Prop., Coordination Comp., Solid State, Electrochem., Metallurgy, Qualitative Analysis	-
6	13-08-2017 (Sunday)	<b>C2:</b> Solution & Colligative Prop., Coordination Comp., Solid State, Electrochemistry, Metallurgy, Qualitative Analysis	-	<b>P:</b> XI Full Syll., GO, Electrostat, Gravitation, Measur. Error & Exp., Current Elec., Heat Trf., Capacitance, EMF, EMI, AC, Modern <b>M:</b> Sets, Relation, Function & I/F, Limits, Continuity & Derivability, MOD, Matrices & Determinant <b>C:</b> Unit I: Solid State, Unit II: Solutions, Unit VI: General Principles and Processes of Isolation of Elements.
7	20-08-2017 (Sunday)	<b>P2:</b> XI syllabus complete, XII - GO, Electrostat, Gravitation, Measurement Errors and Exp., Current Electricity, Heat Trf., Capacitance, EMF, EMI, AC, Modern Physics-I, Nuclear Physics	-	-
8	27-08-2017 (Sunday)	-	<b>P:</b> XI Full Syll., GO, Electrostat, Gravitation, Measur. Error & Exp., Current Elec., Heat Trf., Capacitance, EMF, EMI, AC, Modern-1/ Nuclear Phy. <b>M:</b> Indefinite Integ., Trigonometry, SOT <b>C:</b> Solu. & Collg. Prop., Coordination Comp., Solid State, Surface Chem., Chemical Kinetics, Stoichiometry & Volumetric, Electrochem., Metallurgy, Qualitative Analysis, p-block	-
9	03-09-2017 (Sunday)	<b>A2:</b> P: XI syllabus complete, XII - GO, Electrostat, Gravitation, Measur. Error & Exp., Current Elec., Heat Trf., Capacitance, EMF, EMI, AC, Modern-1/ Nuclear Phys., Wave opt. & Basic astro. <b>M:</b> XI Full syllabus, XII: Matrices & Determinants, Funct. & I/F, Limit, Continuity & Differentiability, MOD, Applications of Derivative, Indefinite & Definite integration, Differential Equ., Vectors & 3D.	-	<b>P:</b> XI Full Syll., GO, Electrostat, Gravitation, Measur. Error & Exp., Current Elec., Heat Trf., Capacitance, EMF, EMI, AC, Modern-1/ Nuclear Phys. <b>M:</b> Set & Relation, Function & I/F, Limits, Continuity & Derivability, MOD, Matrices & Determinant, Application of Derivatives, FOM-I & II, Quadratic Equation <b>C:</b> Unit I: Solid State, Unit II: Solutions, Unit VI: General Principles and Processes of Isolation of Elements.
10	17-09-2017 (Sunday)	<b>P3:</b> XI syllabus complete, XII syllabus complete.	-	<b>P:</b> XI & XII Full syllabus <b>M:</b> Application of Derivatives, FOM-I & II, Quadratic Equ., Sequence & Series, Binomial Theorem, P & C, Indefinite Integ. <b>C:</b> Unit III: Electrochemistry, Unit IX: Coordination Compounds
11	24-09-2017 (Sunday)	<b>A3:</b> XI & XII complete syllabus for Physics & Maths & Basic astronomy.	<b>P:</b> XI & XII Full syllabus. <b>M:</b> Definite Integ., Conic, Statistics, Principal of Math. Induction, Math. Reasoning, Vector (Up to Cross Product) <b>C:</b> Solu. & Collg. Prop., Coordination Comp., Solid State, Surface Chem., Chemical Kinetics, Stoichiometry & Volumetric, Electrochemistry, Metallurgy, Qualitative Analysis, p-block	-
12	08-10-2017 (Sunday)	-	<b>PCM:</b> XI & XII Full syllabus	-
13	22-10-2017 (Sunday)	-	-	<b>P:</b> XI & XII Full syllabus <b>M:</b> Set & Relation, Function & I/F, Limits, Continuity & Derivability, MOD, Matrices & Determinant, Appl. of Derivatives, Indefinite Integ., FOM-I & II, Quadratic Equ., Sequence & Series, Binomial Theorem, P & C, Indefinite Integ. <b>C:</b> Unit I: Solid State, Unit II: Solutions, Unit III: Electrochemistry, Unit VI: General Principles and Processes of Isolation of Elements, Unit IX: Coordination Compounds.
14	12-11-2017 (Sunday)	<b>C3:</b> Solution & Colligative Prop., Coordination Comp., Solid State, Surface Chemistry, Chemical Kinetics, Stoichiometry & Volumetric, Electrochemistry, Metallurgy, Qualitative Analysis, s & p-block elements,	-	<b>P:</b> XI & XII Full syllabus <b>M:</b> Definite Integration & it's application, Differential Equation, Trigonometry, SOT <b>C:</b> Unit IV: Chemical Kinetics, Unit V: Surface Chemistry, Unit VII: p-Block Elements (Group 15 elements)
15	03-12-2017 (Sunday)	-	-	<b>P:</b> XI & XII Full syllabus <b>M:</b> Set & Relation, Function & I/F, Limits, Continuity & Derivability, MOD, Matrices & Determinant, Appl. of Derivatives, Indefinite Integration, FOM-I & II, Quadratic Equation, Sequence & Series, Binomial Theorem, P & C, Indefinite & Definite Integration & its Appl., Differential Equation, <b>C:</b> Unit I: Solid State, Unit II: Solutions, Unit III: Electrochemistry, Unit V: Surface Chemistry, Unit VI: General Principles and Processes of Isolation of Elements, Unit VIII: d and f Block Elements, Unit IX: Coordination Compounds
16	10-12-2017 (Sunday)	-	-	<b>P:</b> XI & XII Full syllabus <b>M:</b> Vector & 3-D, Straight Line, Circle, Conic Section <b>C:</b> Unit V: Surface Chemistry, Unit VIII: d and f Block Elements
17	31-12-2017 (Sunday)	-	-	<b>P:</b> XI & XII Full syllabus <b>M:</b> Set & Relation, Function & I/F, Limits, Continuity & Derivability, MOD, Matrices & Determinant, Appl. of Derivatives, FOM-I & II, Quadratic Equ., Sequence & Series, Binomial Theorem, P & C, Indefinite, Definite Integ. & its Appl., Differential Equation, Vector & 3-D. <b>C:</b> Unit I: Solid State, Unit II: Solutions, Unit III: Electrochemistry, Unit V: Surface Chemistry, Unit VI: General Principles and Processes of Isolation of Elements, Unit VIII: d and f Block Elements, Unit IX: Coordination Compounds
18	14-01-2018 (Sunday)	-	-	<b>P:</b> XI & XII Full syllabus <b>M:</b> Linear Programming, Statistics, Mathematical Reasoning, Complex number <b>C:</b> Full Syllabus
19	21-01-2018 (Sunday)	-	-	<b>P:</b> XI & XII Full syllabus <b>M:</b> Set & Relation, Function & I/F, Limits, Continuity & Derivability, MOD, Matrices & Determinant, Appl. of Derivatives, FOM-I & II, Quadratic Equ., Sequence & Series, Binomial Theorem, P&C, Indefinite & Definite Integration & its Application, Differential Equation, Vector & 3-D, Linear Programming <b>C:</b> Full Syllabus
20	04-02-2018 (Sunday)	-	-	<b>PCM:</b> XI & XII Full syllabus
21	18-02-2018 (Sunday)	-	-	<b>PCM:</b> XI & XII Full syllabus
22	15-04-2018 (Sunday)	-	-	<b>PCM:</b> XI & XII Full syllabus
23	22-04-2018 (Sunday)	-	-	<b>PCM:</b> XI & XII Full syllabus
24	06-05-2018 (Sunday)	-	-	<b>PCM:</b> XI & XII Full syllabus

## WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture			Total No. of Lectures
	From	To	P	C	M	
W-1	03/04	08/04	06	03	06	18
W-2	10/04	15/04	06	03	06	18
W-3	17/04	22/04	04	04	04	15
W-4	24/04	29/04	06	03	06	18
W-5	01/05	06/05	04	03	04	15
W-6	08/05	13/05	06	03	06	18
W-7	15/05	20/05	06	03	06	18
W-8	22/05	27/05	04	04	04	15
W-9	29/05	03/06	06	03	06	18

Week No.	Week Duration		No. of Lecture			Total No. of Lectures	
	From	To	P	C	M		
W-10	05/06	10/06	06	03	06	18	
W-11	12/06	17/06	03	03	03	12	
W-12	19/06	24/06	04	02	04	12	
W-13	26/06	01/07	04	03	01	04	12
W-14	03/07	08/07	04	02	04	12	
W-15	10/07	15/07	04	03	01	04	12
W-16	17/07	22/07	04	02	04	12	
W-17	24/07	29/07	02	03	03	10	
W-18	31/07	05/08	04	02	04	12	

Week No.	Week Duration		No. of Lecture			Total No. of Lectures	
	From	To	P	C	M		
W-19	07/08	12/08	04	03	01	04	12
W-20	14/08	19/08	03	02	03	10	
W-21	21/08	26/08	04	03	01	04	12
W-22	28/08	02/09	04	02	04	12	
W-23	04/09	09/09	04	03	02	04	13
W-24	11/09	16/09	04	03	01	04	12
W-25	18/09	23/09	04	02	04	12	
W-26	25/09	30/09	01	02	01	05	
W-27	02/10	07/10	04	02	04	12	

Week No.	Week Duration		No. of Lecture			Total No. of Lectures	
	From	To	P	C	M		
W-28	09/10	14/10	04	02	02	04	12
W-29	16/10	21/10	Diwali Vacations				
W-30	23/10	28/10	02	01	01	02	06
W-31	30/10	04/11	04	03	01	04	12
W-32	06/11	11/11	03	03	03	12	
W-33	13/11	18/11	04	02	02	04	12
W-34	20/11	25/11	04	03	01	04	12
W-35	27/11	02/12	03	03	03	12	
W-36	04/12	09/12	04	02	02	04	12
W-37	11/12	16/12	02	02	02	08	

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