

Academic Session: 2018-19

COURSE PLANNER

For Students of

CLASS-XII | VIJETA (03JP)

Target: JEE (Main + Advanced) 2019

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: 09.04.2018 (Batch will get merged with 01JP on 10th June 2018 | Course End: 31.12.2018)

RESONANCE TEACHING METHODOLOGY

Preparation for JEE (Main+ Advanced)

Classroom Teaching
Daily Practice Problems (DPPs)
Study Material (Sheets/Modules)
APT - Advanced Pattern Part Test
ACT - Advanced Pattern Cumulative Test
MCT - Main Pattern Cumulative Test
Doubt Classes

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

Preparation for Board Examination

Classroom Teaching & NCERT Book Discussion
Resonance Board Worksheets (RBWs)
Study Material (Sheets/Modules)
Board (BPTs) Pattern Tests
Doubt Classes
Support for Fourth Subject (English)*
Support for Fifth Subject*
Support for Practical (Physics & Chemistry)

TOTAL ACADEMIC HOURS

- ◆ **Course Duration:** 38 Weeks
- ◆ **Total Number of Lectures:** 470 (P: 145 | C: 180 | M: 145)
- ◆ **Duration of one lecture:** 1.5 hrs = 90 minutes
- ◆ **Total Duration of Classroom Teaching:** 705 hrs
- ◆ **Total Duration of Testing Hours (ACTs/APTs/ MCTs/BPTs/MT/AIOT):** 108 hrs
- ◆ **Total Academic Hours in VIJETA Course:** 813 hrs

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 upto 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 written 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. Board Practice Tests (BPTs) are also conducted.

Holidays/ Vacations (Total: 13-Days): 1. Raksha Bandhan: 26th August, 2018: One Day, 2. Independence Day: 15th August, 2018 : One Day, 3. Deepawali Holidays: From 05th November, 2018 (Monday) to 14th November, 2018 (Wednesday): 10 Days, 4. Republic Day: 26th 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)

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 2018-19. The institute reserves the right to make changes in it in the interest of students.

SUBJECT WISE SYLLABUS PLAN

- ◆ Topic Name
- ◆ Topic Sequence

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

PHYSICS [PI]				CHEMISTRY [IC]				MATHEMATICS [MI]			
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	Geometrical Optics	21	09.04.18	PHYSICAL/ INORGANIC				1	Matrices & Determinant	13	09.04.18
2	Measurement Error & Experiments	2	03.05.18	1	Solution & Colligative Properties	9	09.04.18	2	Probability	10	24.04.18
3	Electrostatics	24	05.05.18	2	Coordination compound	11	30.04.18	3	Vector & 3-D	18	05.05.18
4	Gravitation	5	02.06.18	3	Solid State	9	26.05.18	4	Complex Number	11	26.05.18
5	Current Electricity	11	11.06.18	4	Electrochemistry	12	11.06.18	5	Function & ITF	19	11.06.18
6	Heat Transfer	4	02.07.18	5	Metallurgy	5	13.07.18	6	Limits, Continuity & Derivability	16	17.07.18
7	Capacitance	10	09.07.18	6	Qualitative Analysis(Only ANION)	6	27.07.18	7	Method of Differentiation	4	16.08.18
8	EMF	13	28.07.18	7	Nitrogen & Oxygen Family	7	14.08.18	8	Application of Derivatives	18	22.08.18
9	EMI	11	21.08.18	8	Equivalent Concept & Titrations	6	28.08.18	9	Indefinite Integration	8	26.09.18
10	Alternating Current	5	11.09.18	9	Halogen & Nobel gas	4	17.09.18	10	Definite Integration & Its Application	14	20.10.18
11	Modern Physics-I	10	22.09.18	10	Chemical Kinetics	9	29.09.18	11	Differential Equation	8	24.11.18
12	Nuclear Physics	6	19.10.18	11	Surface Chemistry	4	29.10.18	12	Linear Programming	2	10.12.18
13	Wave Optics	7	29.10.18	12	Qualitative Analysis (Only Cation)	5	26.11.18	13	Binary operation	2	14.12.18
14	Semiconductor	6	20.11.18	13	d-Block	4	10.12.18	14	Revision	2	17.12.18
15	Principle of Communication	2	03.12.18	ORGANIC							
16	Electromagnetic Waves	2	05.12.18	1	GOC-II	12	09.04.18				
17	Miscellaneous	6	10.12.18	2	Stereoisomerism	13	07.05.18				
				3	ORM-I	10	05.06.18				
				4	ORM-II	9	02.07.18				
				5	Reduction, Oxidation & Hydrolysis	8	24.07.18				
				6	ORM-III	6	14.08.18				
				7	ORM-IV	7	03.09.18				
				8	Aromatic Compounds	7	12.09.18				
				9	Carbonyl Compounds, Carboxylic Acid & Acid Derivatives	9	16.10.18				
				10	Biomolecules	8	27.11.18				
	Total No. of Lectures	145			Total No. of Lectures	180			Total No. of Lectures	145	

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture				Total No. of Lectures	Week No.	Week Duration		No. of Lecture				Total No. of Lectures	Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	O	M			From	To	P	C	O	M			From	To	P	C	O	M	
W-1	09/04	14/04	06	03	03	06	18	W-14	09/07	14/07	03	03	03	03	12	W-27	08/10	13/10	04	03	02	04	13
W-2	16/04	21/04	06	03	03	06	18	W-15	16/07	21/07	04	02	03	04	13	W-28	15/10	20/10	03	03	03	03	12
W-3	23/04	28/04	06	03	03	06	18	W-16	23/07	28/07	04	03	02	04	13	W-29	22/10	27/10	04	02	02	04	12
W-4	30/04	05/05	06	03	03	06	18	W-17	30/07	04/08	03	03	03	03	12	W-30	29/10	03/11	04	02	02	04	12
W-5	07/05	12/05	06	03	03	06	18	W-18	06/08	11/08	04	02	03	04	13	W-31	05/11	10/11	Diwali Vacations				
W-6	14/05	19/05	06	03	03	06	18	W-19	13/08	18/08	04	02	02	04	12	W-32	12/11	17/11	02	00	00	02	04
W-7	21/05	26/05	06	03	03	06	18	W-20	20/08	25/08	04	03	02	04	13	W-33	19/11	24/11	04	02	02	04	12
W-8	28/05	02/06	06	02	02	06	16	W-21	27/08	01/09	03	03	03	03	12	W-34	26/11	01/12	03	03	03	03	12
W-9	04/06	09/06	04	04	04	04	16	W-22	03/09	08/09	04	02	03	04	13	W-35	03/12	08/12	04	02	02	04	12
W-10	11/06	16/06	04	03	02	04	13	W-23	10/09	15/09	04	02	03	04	13	W-36	10/12	15/12	04	03	03	04	14
W-11	18/06	23/06	03	03	03	03	12	W-24	17/09	22/09	03	03	03	03	12	W-37	17/12	22/12	02	01	01	02	06
W-12	25/06	30/06	04	02	03	04	13	W-25	24/09	29/09	03	02	03	04	12	W-38	24/12	29/12	00	00	00	00	00
W-13	02/07	07/07	04	03	02	04	13	W-26	01/10	06/10	00	00	00	00	00								

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. Test Type and No.	Test Pattern	Periodic Test Date	First Display Communication to parent with Centre Rank	Display & Communication of Final Result with All Resonance Rank (ARR)	Uploading of Result on Resonance Website	Physics		Chemistry		Testing Hours
						Physics		Chemistry		
						Physical/ Inorganic	Organic	Physical/ Inorganic	Organic	
1	Scholarship Test	22-04-18 (Sunday)	26-04-18 (Thursday)	01-05-18 (Tuesday)	03-05-18 (Thursday)	Complete XI Syllabus	Complete XI Syllabus	Complete XI Syllabus	Complete XI Syllabus	6
2	APT-1	13-05-18 (Sunday)	17-05-18 (Thursday)	22-05-18 (Tuesday)	24-05-18 (Thursday)	KTG & Thermodynamics, Calorimetry & Thermal Expansion, Geometrical Optics, Electrostatics upto electric field	KTG & Thermodynamics, Calorimetry & Thermal Expansion, SHM, Wave on a string, Sound waves, GO, Measurement error and experiment, electrostatics	Solutions & Colligative Properties, Coordination Compounds (up to VB1), ionic Equilibrium & ChemInfo (all date)	GOC-II, Physical Properties, POC-II & Geometrical Isomerism	6
3	ACT-1	27-05-18 (Sunday)	31-05-18 (Thursday)	05-06-18 (Tuesday)	07-06-18 (Thursday)	KTG & Thermodynamics, Calorimetry & Thermal Expansion, SHM, Wave on a string, Sound waves, GO, Measurement error and experiment, electrostatics	SHM, Wave on a string, Sound waves, Measurement error and experiment, Electrostatics, Gravitation, Current, electricity upto KVL and KVL	Solution & Colligative Properties, Coordination Compounds, Thermodynamics, Ionic equilibrium, s-Block Element & ChemInfo (all date)	GOC-II, Physical Properties, POC-II, Geometrical Isomerism & Optical Isomerism (upto Element of symmetry)	6
4	APT-2	24-06-18 (Sunday)	28-06-18 (Thursday)	03-07-18 (Tuesday)	05-07-18 (Thursday)	Kinematics, NLM, Friction, Work energy power, Circular motion, Geometrical Optics	Kinematics, NLM, Friction, Work energy power, Circular motion, Geometrical Optics	Coordination Compound, Solid State, Electrochemistry, (Upto application of Electro chemical series), Gaseous state, Chemical Bonding, p-Block (Boron, Carbon Family)	Physical Properties, POC-II, Stereoisomerism, ABC-1 (Hydrocarbon) & ABC-2 (Phenol & Aniline)	6
5	MCT-2 + BPT-1	15-07-18 (Sunday)	19-07-18 (Thursday)	24-07-18 (Tuesday)	26-07-18 (Thursday)	Measurement and error; Gravitation, Current electricity, Heat transfer	Measurement and error; Gravitation, Current electricity, Heat transfer	MCT: Solution & Colligative Properties, Coordination Compound, Solid State, Electrochemistry, Gaseous state, Chemical Bonding, p-Block (B & D)	MCT-1 syllabus + Vector & 3-D, Complex Number, Function & IIT (Upto property T-1(TT))	6
6	ACT-2	05-08-18 (Sunday)	09-08-18 (Thursday)	14-08-18 (Tuesday)	16-08-18 (Thursday)	Kinematics, NLM, Friction, WPE, Circular motion, COM, RBD, Geometrical Optics, Measurement and error; Gravitation, Current electricity, Heat transfer; Capacitance	Kinematics, NLM, Friction, WPE, Circular motion, COM, RBD, Geometrical Optics, Measurement and error; Gravitation, Current electricity, Heat transfer; Capacitance	Solution & Colligative Properties, Coordination Compound, Solid state, Electrochemistry, Metallurgy, Qualitative Analysis (Only anion up to dilute acid group), Thermodynamics	ACT-1 syllabus + Complex Number, Function & IIT, Limits, FDM-I & II, Trigonometry, Solution of Triangle	6
7	APT-3	26-08-18 (Sunday)	30-08-18 (Thursday)	04-09-18 (Tuesday)	06-09-18 (Thursday)	COM, RBD, Fluid mechanics: Elasticity and viscosity, Surface tension, Current electricity, Heat transfer; Capacitance, EMF, EMI upto motional EMF	COM, RBD, Fluid mechanics: Elasticity and viscosity, Surface tension, Current electricity, Heat transfer; Capacitance, EMF, EMI upto motional EMF	Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block (13-16 group), Chemical Bonding	Function & IIT, Limits, Continuity & Derivability, Straight Line, Circle, Quadratic Equation	6
8	MCT-3 + BPT-2	23-09-18 (Sunday)	27-09-18 (Thursday)	02-10-18 (Tuesday)	04-10-18 (Thursday)	COM, RBD, Fluid Mechanics, Elasticity and Viscosity, Surface tension, GO, Electrostatics, Gravitation, Measurement and error; Current electricity, Heat transfer; Capacitance, EMF, EMI, AC	COM, RBD, Fluid Mechanics, Elasticity and Viscosity, Surface tension, GO, Electrostatics, Gravitation, Measurement and error; Current electricity, Heat transfer; Capacitance, EMF, EMI, AC	MCT-3: Solution & Colligative Properties, Coordination Compound, solid state, Electrochemistry, Metallurgy, Qualitative Analysis (Only anion), p-Block (13-16 group), Equivalent concept & titrations	MCT: MCT-2 syllabus + Function & IIT, Limits, Continuity & Derivability, MOD, ADD, Straight Line, Circle, Quadratic Equation	6
9	ACT-3	21-10-18 (Sunday)	25-10-18 (Thursday)	30-10-18 (Tuesday)	01-11-18 (Thu.)	Fluid mechanics, Elasticity and viscosity, Current electricity, Heat transfer; Capacitance, EMF, EMI, AC; Modern Physics-I	Fluid mechanics, Elasticity and viscosity, Current electricity, Heat transfer; Capacitance, EMF, EMI, AC; Modern Physics-I	Solution & Colligative Properties, Solid State, Coordination Compound, Electrochemistry, Metallurgy, Qualitative Analysis, (Only anion), p-Block (15-18 group), Equivalent concept & titrations, Chemical kinetics (up to Monitoring the progress of reaction)	ACT-2 Syllabus + Limits, Continuity & Derivability, MOD, ADD, Indefinite Integration (Upto IBP), Straight Line, Circle, Quadratic Equation	3
10	APT-4	02-12-18 (Sunday)	06-12-18 (Thursday)	11-12-18 (Tuesday)	13-12-18 (Thursday)	Fluid mechanics, Elasticity and viscosity, Surface tension, EMI, AC, Modern Physics-I, Nuclear physics, Wave optics,	Fluid mechanics, Elasticity and viscosity, Surface tension, EMI, AC, Modern Physics-I, Nuclear physics, Wave optics,	Qualitative Analysis (Only anion), p-Block (13-18 group), Equivalent concept & titrations, chemical equilibrium, atomic structure, periodic table, Surface Chemistry, Chemical Kinetics	ORM-III, ORM-IV, Aromatic Compounds & Carbonyl compounds	6
11	Mock-BPT	22-12-18 (Saturday)	27-12-18 (Thursday)	01-01-19 (Tuesday)	03-01-19 (Thu.)					2
12	MT-1	23-12-18 (Sunday)	27-12-18 (Thursday)	01-01-19 (Tuesday)	03-01-19 (Thu.)					6
13	Mock-BPT	25-12-18 (Tuesday)	29-12-18 (Saturday)	01-01-19 (Tuesday)	03-01-19 (Thu.)					2
14	Mock-BPT	26-12-18 (Wednesday)	29-12-18 (Saturday)	01-01-19 (Tuesday)	03-01-19 (Thu.)					2
15	MT-2	30-12-18 (Sunday)	03-01-19 (Thursday)	08-01-19 (Tuesday)	10-01-19 (Thu.)					6
16	MT	31-12-18 (Monday)	03-01-19 (Thursday)	08-01-19 (Tuesday)	10-01-19 (Thu.)					3
17	A10T	27-01-19 (Sunday)	31-01-19 (Thursday)	05-02-19 (Tuesday)	07-02-19 (Thu.)					3
18	A10T*	10-02-19 (Sunday)	14-02-19 (Thursday)	19-02-19 (Tuesday)	21-02-19 (Thu.)					3
19	A10T-1	24-02-19 (Sunday)	28-02-19 (Thursday)	05-03-19 (Tuesday)	07-03-19 (Thu.)					6
20	JPT-1*	10-03-19 (Sunday)	14-03-19 (Thursday)	19-03-19 (Tuesday)	21-03-19 (Thu.)					3
21	JPT-2*	17-03-19 (Sunday)	21-03-19 (Thursday)	26-03-19 (Tuesday)	28-03-19 (Thu.)					3
22	JPT-1	28-04-19 (Advanced)	02-05-19 (Thursday)	07-05-19 (Tuesday)	09-05-19 (Thu.)					6
23	JPT-2	12-05-19 (Advanced)	16-05-19 (Thursday)	21-05-19 (Tuesday)	23-05-19 (Thu.)					6

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. 4. *Only in Downloadable format

Reshuffling: 10.06.2018

Total Testing Hours

108

RESONANCE BOARD WORKSHEET (RBW) SCHEDULE

PHYSICS		
Week No.	RBW Dist. Date	RBW No.
W-4	30-04-2018	1
W-8	28-05-2018	2
W-16	23-07-2018	3
W-23	10-09-2018	4
W-32	15-11-2018	5
TOTAL RBWs		5

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-10	11-06-2018 (P/I)	1
W-21	27-08-2018 (P/I)	2
W-35	03-12-2018 (P/I)	3
W-16	23-07-2018 (O)	1
W-34	26-11-2018 (O)	2
TOTAL RBWs		5

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-3	23-04-2018	1
W-8	28-05-2018	2
W-12	25-06-2018	3
W-16	23-07-2018	4
W-22	03-09-2018	5
W-29	22-10-2018	6
W-35	03-12-2018	7
TOTAL RBWs		7

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	
			P/I	O						P/I	O						P/I	O		
1	Week-1	A1,2	A1	A1	A1,2	6	14	Week-14	11,12	7	6	12,13,14	7	27	Week-27	39,40,41	21,22	21	44,45,46	9
2	Week-2	3,4,5	2,3	2	3,4,5	9	15	Week-15	13,14	8	7,8	15,16	7	28	Week-28	42,43	23	22	47,48,49	7
3	Week-3	6,7,8	4,5	3,4	6,7	9	16	Week-16	15,16	9,10	9	17,18,19	8	29	Week-29	44,45,46	24	23	50,51	7
4	Week-4	9,10,11	6,7	5,6	8,9,10	10	17	Week-17	17	11	10	20,21,22	6	30	Week-30	47,48,49	25	24	52,53,54	8
5	Week-5	12,13,14	8	7,8	11,12,13	9	18	Week-18	18,19,20	12	11,12	23,24	8	31	Week-31	Diwali Vacations				
6	Week-6	15,16,17	9	9,10	14,15,16	9	19	Week-19	21,22,23	13	13	25,26,27	8	32	Week-32	0	0	0	0	0
7	Week-7	18,19,20	10	11	17,18,19	8	20	Week-20	24,25,26	14,15	14	28,29,30	9	33	Week-33	50,51,52	0	25	55,56,57	7
8	Week-8	21,22,23	11,12	12	20,21,22	9	21	Week-21	27,28	16	15	31,32,33	7	34	Week-34	53,54	26	26	58,59	6
9	Week-9	24,25,26	13	13,14	23,24,25	9	22	Week-22	29,30,31	17	16,17	34,35	8	35	Week-35	55,56,57	27	27	60,61,62	8
10	Week-10	B1,2,3	B1,2	B1	B1,2,3	9	23	Week-23	32,33	18	18	36,37,38	7	36	Week-36	0	28	28	63,64,65	5
11	Week-11	4,5	3	2	4,5,6	7	24	Week-24	34,35	19	19	39,40,41	7	37	Week-37	0	29	0	0	1
12	Week-12	6,7	4	3,4	7,8	7	25	Week-25	36,37,38	20	20	42,43	7	38	Week-38	0	0	0	0	0
13	Week-13	8,9,10	5,6	5	9,10,11	9	26	Week-26	0	0	0	0	0	Total Number of DPPs				257		

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

Resonance Eduventures Ltd.

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STUDY CENTRES (Self Owned): Jaipur: 07446655122 | Bhubaneswar: 07446655055 | Udaipur: 07446655577 | Jodhpur: 07446655133 | Agra: 07446655001 | Ranchi: 07446655533
 Allahabad: 07446655022 | Aurangabad: 07446655033 | Jabalpur: 07446655111 | Raipur: 07446655566 | Gwalior: 07446655077 | Vadodara: 07446655588 | Surat: 07446655544
 Indore: 07446655101 | Bhopal: 07446655044 | Lucknow: 07446655555 | Nagpur: 07446655233 | Patna: 07446655511 | Kolkata: 07446655144 | Mumbai: 07446655220
 Ahmedabad: 07446655011 | Delhi: 07446655066 | Nanded: 07446655266 | Chandrapur: 07446655277 | Nashik: 07446655155 | Rajkot: 07446655522

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