

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

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:** 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/APTs/ MCTs/BPTs/MT/AIOT):** 135 hrs

◆ **Total Academic Hours in VIJETA Course:** 824 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.

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: 12-Days): 1. Independence Day: 15th August, 2017 : One Day 2. Deepawali Holidays: From 16th October, 2017 (Monday) to 25th October, 2017 (Wednesday): 10 Days 3. Republic Day: 26th 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)

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	First Display (Notice Board) & 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	Mathematics	Physical/ Inorganic	Organic	
1	Scholarship Test	JEE (Advanced)	23-04-17 (Sunday)	27-04-17 (Thursday)	02-05-17 (Tuesday)	04-05-17 (Thursday)	Full XI class Syllabus		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)	18-07-17 (Thursday)	60. Electrostatics upto Electric field due to point, line charge, Sheet, KEG & Thermodynamics, Calorimetry, Thermal Expansion		GOC-II, Physical Properties, POC-II & Polymer and ABC-I.	Function & IFF, LCD, MOD, Matrices Determinant, & 2. Quadratic Equation, Sequence & Series	6
3	ACT-1	JEE (Advanced)	28-05-17 (Sunday)	01-06-17 (Thursday)	06-06-17 (Tuesday)	08-06-17 (Thursday)	60. Electrostatics, KTG & Thermodynamics, Galvanometry and Thermal Expansion, SHM, Waves on a string & Sound wave, Measurement Error & Experiments		Solution & Colligative Properties, Coordination Compounds, Thermodynamics, Ionic equilibrium, s-Block Element & Cheminfo (till date)	Function and IFF, LCD, MOD, XI Topics FOM-1 & 2, Quadratic Equation, Sequence & Series	6
4	APT-2	JEE (Advanced)	18-06-17 (Sunday)	23-06-17 (Thursday)	27-06-17 (Tuesday)	29-06-17 (Thursday)	Electrostatics, Gravitation, Measurement Errors and Experiments, Current Electricity upto Resistance, SHM, Waves on a string & Sound wave		Stereoisomerism, Chemical Kinetics, Reaction Reagents and ABC-II.	Continuity and Derivability, MOD, Matrices and Determinant XI Topics, Straight Line, Circle, Conic Section, Parabola, Ellipse, Hyperbola	6
5	MCT-1 + BPT-1	JEE (Main) + Board	02-07-17 (Sunday)	06-07-17 (Thursday)	11-07-17 (Tuesday)	13-07-17 (Thursday)	MCT: 60. Electrostatics, Gravitation, Current Electricity (Up to combination of Resistance), Gravitation, Kinematics, N.M, Friction, WPE, Circular Motion, SHM, Spring Weight, Sound and Waves, Measurement Error & Experiments, Thermodynamics, BPT: Geometrical Optics & Electrostatics		GOC-I, Physical Properties, POC-I, Polymer, Stereoisomerism, Chemical Kinetics, Reaction Reagents & ORM (Up to Nucleophilic addition reaction) and UPAC Nomenclature & Structural Isomerism, Structure Identification & POC	Function and IFF, LCD, MOD, Matrices Determinant, ADD (Tangent & normal, Rate Measure and Approximations) XI Topics: Straight Line, Circle, Conic Section, Parabola, Ellipse, Hyperbola	6
6	ACT-2	JEE (Advanced)	30-07-17 (Sunday)	03-08-17 (Thursday)	08-08-17 (Tuesday)	10-08-17 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Measurement Errors and Experiments, Current Electricity, Heat Transfer, Capacitance, Kinematics, N.M, Friction, WPE		GOC-II, Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Grignard Reagents, ORM-I & ORM-II (all Electrophilic substitution reaction) and ABC-I, II & III	Function and IFF, LCD, MOD, Matrices Determinant, ADD, Indefinite Integration XI Topics: FOM-1 & 2, Quadratic Equation, Sequence & Series, Straight Line, Circle, Conic Section, Parabola, Ellipse, Hyperbola	6
7	APT-3	JEE (Advanced)	20-08-17 (Sunday)	24-08-17 (Thursday)	29-08-17 (Tuesday)	31-08-17 (Thursday)	Current Electricity, Capacitance, Heat Transfer, EMF, Kinematics, N.M, Friction, WPE, Circular Motion		ORM-I, ORM-II & Reduction and ABC-II	Tangent, Normal, ADD, Indefinite & Definite Integration (Area not included) XI Topics: Straight Line, Circle, Conic Section, Parabola, Ellipse, Hyperbola, PSC, Probability	6
8	MCT-2 + BPT-2	JEE (Advanced)	10-09-17 (Sunday)	14-09-17 (Thursday)	19-09-17 (Tuesday)	21-09-17 (Thursday)	MCT: 60. Electrostatics, Gravitation, Current Elec., EMF, EMI (Up to self inductance), Capacitance, Heat Transfer, Kinematics, N.M, Friction, WPE, Circular Motion, Optics, Measurement Error & Experiments, BPT: 2. Solution & Colligative Properties, Coordination Compound, solid state, Electrochemistry, Metallurgy, p-Block (15-16 group)		GOC-II, Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Grignard Reagents, ORM-I & II, Reduction, Oxidation & Hydrolysis and ABC-I, II, III & IV BPT-2 = ORM-I, ORM-II, ABC-I, II, III & IV	Function and IFF, LCD, MOD, Matrices Determinant, ADD, Indefinite & Definite Integration and Area XI Topics: Binomial Theorem, P & C, Probability	6
9	ACT-3	JEE (Advanced)	01-10-17 (Sunday)	05-10-17 (Thursday)	10-10-17 (Tuesday)	12-10-17 (Thu.)	60. Electrostatics, Gravitation, Measurement Errors and Experiments, Current Electricity, Heat Transfer, Capacitance, EMF, EMI, AC, Photoelectric effect, Circular Motion, Centre of mass, RBD		GOC-II, Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Grignard Reagents, ORM-I & II, Reduction, Oxidation, Hydrolysis & ORM-III and GOC-I	Function and IFF, LCD, MOD, Matrices Determinant, ADD, Indefinite & Definite Integration and Area XI Topics: Binomial Theorem, P & C, Probability	6
10	APT-4	JEE (Advanced)	29-10-17 (Sunday)	02-11-17 (Thursday)	07-11-17 (Tuesday)	09-12-17 (Thu.)	EMF, EMI, AC, Modern Physics: Nuclear Physics, COM, RBD, Fluid Mechanics, Elasticity & Viscosity, Surface Tension		Reduction, Oxidation, Hydrolysis, ORM-III, ORM-IV & Grignard Reagent and ABC-IV.	Definite Integration and Area, Differential Equation, Vector & 3-D XI Topics: SOI, Trigonometric Ratios, Equations & Inequalities	6
11	MCT-3 + BPT-3	JEE (Main)	19-11-17 (Sunday)	23-11-17 (Thursday)	28-11-17 (Tuesday)	30-11-17 (Thu.)	MCT: 60. Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI, AC, Modern Physics-I, Nuclear Physics, Wave Optics BPT: AC, Modern Physics-I, Nuclear Physics, Wave Optics		GOC-II, Physical Properties, POC-II, Polymer, Stereoisomerism, Chemical Kinetics, Reaction & Grignard Reagent and ABC-IV.	Function and IFF, LCD, MOD, Matrices Determinant, ADD, Indefinite & Definite Integration and Area, Differential Equation, Vector & 3-D, Complex Number (Up to Euler's form) XI Topic: SOI, Trigonometric Ratios, Equations & Inequalities	6
12	Mock-BPT	Board (Maths)	16-12-17 (Saturday)	21-12-17 (Thursday)	26-12-17 (Tuesday)	28-12-17 (Thu.)				Full Syllabus	3
13	MT-1	JEE (Advanced)	17-12-17 (Sunday)	21-12-17 (Thursday)	26-12-17 (Tuesday)	28-12-17 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	6
14	Mock-BPT	Board (Phy)	19-12-17 (Tuesday)	21-12-17 (Thursday)	26-12-17 (Tuesday)	28-12-17 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	3
15	Mock-BPT	Board (Chem)	20-12-17 (Wednesday)	23-12-17 (Saturday)	28-12-17 (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)	04-01-18 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	6
17	MT-1	JEE (Main)	26-12-17 (Tuesday)	28-12-17 (Thursday)	02-01-18 (Tuesday)	04-01-18 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	3
18	MT-3	JEE (Advanced)	07-01-18 (Sunday)	11-01-18 (Thursday)	16-01-18 (Tuesday)	18-01-18 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	6
19	MT-2	JEE (Main)	11-01-18 (Sunday)	13-01-18 (Tuesday)	16-01-18 (Tuesday)	18-01-18 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	3
20	A10T	JEE (Main)	28-01-18 (Sunday)	01-02-18 (Thursday)	06-02-18 (Tuesday)	08-02-18 (Thu.)	Full Class XI Syllabus		Full Class XI Syllabus	Full Class XI Syllabus	3
21	A10T	JEE (Advanced)	25-02-18 (Sunday)	01-03-18 (Thursday)	06-03-18 (Tuesday)	08-03-18 (Thu.)	Full Class XI Syllabus		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)	15-03-18 (Thu.)	Common with JA		Common with JA	Common with JA	3
23	MT	JEE (Advanced)	06-03-18 (Tuesday)	08-03-18 (Thursday)	13-03-18 (Tuesday)	15-03-18 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	6
24	JPT-1	JEE (Main)	11-03-18 (Sunday)	15-03-18 (Thursday)	20-03-18 (Tuesday)	22-03-18 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	3
25	JPT-2	JEE (Main)	18-03-18 (Sunday)	22-03-18 (Thursday)	27-03-18 (Tuesday)	29-03-18 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	3
26	JPT-1	JEE (Advanced)	29-04-18 (Sunday)	03-05-18 (Thursday)	08-05-18 (Tuesday)	10-05-18 (Thu.)	Full Syllabus		Full Syllabus	Full Syllabus	6
27	JPT-2	JEE (Advanced)	13-05-18 (Sunday)	15-05-18 (Tuesday)	17-05-18 (Thursday)	19-05-18 (Sat.)	Full Syllabus		Full Syllabus	Full Syllabus	6
Total Testing Hours										135	

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/ CTs (except BPTs).

3. Student can submit their request for re-evaluation in two working days after first display of result.

RESONANCE BOARD WORKSHEET (RBW) SCHEDULE

PHYSICS		
Week No.	RBW Dist. Date	RBW No.
W-3	17-04-2017	1
W-8	22-05-2017	2
W-16	17-07-2017	3
W-22	28-08-2017	4
W-27	02-10-2017	5
W-34	20-11-2017	6
TOTAL RBWs		6

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-11	12-06-2017 (P/I)	1
W-23	07-09-2017 (P/I)	2
W-35	02-12-2017 (P/I)	3
W-18	31-07-2017 (O)	1
W-31	30-10-2017 (O)	2
TOTAL RBWs		5

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-6	08-05-2017	1
W-19	07-08-2017	2
W-25	18-09-2017	3
W-32	06-11-2017	4
TOTAL RBWs		4

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	A1,2,3	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	Total Number of DPPs			239			
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 Eduventures Ltd.

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STUDY CENTRES (Self Owned): Jaipur: 0141-6060661 | Bhubaneswar, Udaipur, Jodhpur, Agra, Ranchi, Allahabad, Aurangabad, Jabalpur, Raipur, Gwalior, Vadodara, Surat: (STD Code) 6060660
Bhopal: 0755-6060660 | Indore: 0731-4046267 | Lucknow: 0522-3192222 | Nagpur: 0712-3017222 | Patna: 9304002215 | Kolkata, Mumbai, Ahmedabad: (STD Code) 6060660
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