

Academic Session: 2017-18

COURSE PLANNER

For Students of

CLASS-XI | ABHINAV (EA01)

Target: JEE (Main) 2019

Medium: English | Hindi

COURSE CONCEPT

A Course which offers ample time of 2 years to become an expert in the curriculum of JEE (Main). The course progresses with basic fundamental study; covering upon the syllabus of boards alongwith the preparation for JEE (Main). The course helps in development of concepts, rigorous practice for board exams, as well as competitive exams, enhancement of analytical thinking and increasing the confidence level of aspirant.

Course Commencement: 03.04.2017 | Course Ends: 14.02.2018

RESONANCE TEACHING METHODOLOGY

Preparation for JEE (Main)

Classroom Teaching

Daily Practice Problems (DPPs)

Study Material (Sheets/Modules)

MPT - Main Pattern Part 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:** 46 Weeks
- ◆ **Total Number of Lectures: 465** (P: 151 | C: 163 | M: 151)
- ◆ **Duration of one lecture:** 1.5 hrs = 90 minutes
- ◆ **Total Duration of Classroom Teaching:** 698 hrs
- ◆ **Total Duration of Testing Hours (MCTs/MPTs/BPTs/MT/AIOT):** 36 hrs
- ◆ **Total Academic Hours in ABHINAV Course:** 734 hrs

TEACHING/ LEARNING TOOLS

- ◆ **Daily Practice Problems (DPPs):** A handout having problems for home assignment, practice and classroom discussion covering current and previous topics. Most of the DPPs contains upto 10 problems or more.
- ◆ **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 (JEE (Main)/ JEE (Advanced) along with school exam material is provided.
- ◆ **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) 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)

SUBJECT WISE SYLLABUS PLAN

- ◆ Topic Name
- ◆ Topic Sequence

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

PHYSICS [P]				CHEMISTRY [C]				MATHEMATICS [M]			
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	Mathematical Tools	12	03-Apr-17	1	Introduction to Chemistry	6	03-Apr-17	1	Sets & Relations	7	03-Apr-17
2	Rectilinear Motion	5	01-May-17	2	Atomic Structure	16	24-Apr-17	2	Fundamentals of Mathematics-I	12	21-Apr-17
3	Projectile Motion	5	13-May-17	3	Mole Concept	12	01-Jul-17	3	Quadratic Equation	13	19-May-17
4	Relative Motion	5	26-May-17	4	Gaseous State	12	14-Aug-17	4	Sequence & Series	10	17-Jun-17
5	Newton's Law of Motion (NLM)	14	05-Jun-17	5	Chemical Equilibrium	10	25-Sep-17	5	Trigonometry	14	10-Jul-17
6	Friction	5	10-Jul-17	6	Ionic Equilibrium	13	13-Nov-17	6	Fundamentals of Mathematics-II	11	05-Aug-17
7	Work Power and Energy	11	18-Jul-17	7	Thermodynamics & Thermochemistry	13	26-Dec-17	7	Binomial Theorem	8	26-Aug-17
8	Circular Motion	7	08-Aug-17	8	IUPAC Nomenclature	9	03-Apr-17	8	Permutation & Combination	12	09-Sep-17
9	Centre of mass	11	22-Aug-17	9	IUPAC Nomenclature & Structural Isomerism	4	02-May-17	9	Solution of Triangle	4	02-Oct-17
10	Rigid Body Dynamics	16	11-Sep-17	10	All Concept of Organic Chemistry-I (A,B,C)	4	22-May-17	10	Statistics	5	09-Oct-17
11	Simple Harmonic Motion	7	10-Oct-17	11	Structural Identification	2	06-Jun-17	11	Principle of Mathematical Induction	1	30-Oct-17
12	Fluid Mechanics	6	06-Nov-17	12	Periodic Table	5	19-Jun-17	12	Straight Line	14	03-Nov-17
13	Surface Tension	4	20-Nov-17	13	BIN	3	10-Jul-17	13	Circle	11	27-Nov-17
14	Unit And Dimension	1	22-Nov-17	14	Chemical Bonding	21	18-Jul-17	14	Mathematical Reasoning	6	18-Dec-17
15	Error	1	23-Nov-17	15	All Concept of Organic Chemistry-II (A,B,C)	2	03-Oct-17	15	Conic Section	23	30-Dec-17
16	Elasticity & Viscosity	3	27-Nov-17	16	GOC-I	11	26-Oct-17				
17	String Waves	8	04-Dec-17	17	s-Block Element	7	04-Dec-17				
18	Sound Waves	9	18-Dec-17	18	p-Block elements	6	01-Jan-18				
19	KTG & Thermodynamics	8	05-Jan-18	19	All Concept of Organic Chemistry-III (A,B,C)	3	22-Jan-18				
20	Calorimetry & Thermal Expansion	6	20-Jan-18	20	All Concept of Organic Chemistry-IV (A,B,C)	4	30-Jan-18				
21	NCERT Discussion	2	30-Jan-18								
22	Buffer	5	05-Feb-18								
Total No. of Lectures				Total No. of Lectures				Total No. of Lectures			
151				163				151			

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	03/04	08/04	03	02	02	03	10	W-16	17/07	22/07	04	02	02	04	12	W-31	30/10	04/11	03	02	02	03	10
W-2	10/04	15/04	03	02	02	03	10	W-17	24/07	29/07	04	02	02	04	12	W-32	06/11	11/11	04	02	02	04	12
W-3	17/04	22/04	03	02	02	03	10	W-18	31/07	05/08	03	02	01	03	09	W-33	13/11	18/11	04	02	02	04	12
W-4	24/04	29/04	03	02	02	03	10	W-19	07/08	12/08	04	02	02	04	12	W-34	20/11	25/11	04	02	02	04	12
W-5	01/05	06/05	03	02	02	03	10	W-20	14/08	19/08	03	02	02	03	10	W-35	27/11	02/12	03	02	02	03	10
W-6	08/05	13/05	03	02	02	03	10	W-21	21/08	26/08	04	02	02	04	12	W-36	04/12	09/12	04	02	02	04	12
W-7	15/05	20/05	03	02	01	03	09	W-22	28/08	02/09	04	02	02	04	12	W-37	11/12	16/12	04	02	02	04	12
W-8	22/05	27/05	03	01	02	03	09	W-23	04/09	09/09	04	02	02	04	12	W-38	18/12	23/12	04	02	02	04	12
W-9	29/05	03/06	03	02	01	03	09	W-24	11/09	16/09	04	02	02	04	12	W-39	25/12	30/12	03	02	01	03	09
W-10	05/06	10/06	03	01	02	03	09	W-25	18/09	23/09	03	02	02	03	10	W-40	01/01	06/01	04	02	02	04	12
W-11	12/06	17/06	03	02	01	03	09	W-26	25/09	30/09	04	02	02	04	12	W-41	08/01	13/01	04	02	02	04	12
W-12	19/06	24/06	03	01	02	03	09	W-27	02/10	07/10	04	02	02	04	12	W-42	15/01	20/01	03	01	02	03	09
W-13	26/06	01/07	03	02	01	03	09	W-28	09/10	14/10	04	02	02	04	12	W-43	22/01	27/01	03	02	02	03	10
W-14	03/07	08/07	03	01	02	03	09	W-29	16/10	21/10	Diwali Vacations				W-44	29/01	03/02	03	02	02	03	10	
W-15	10/07	15/07	04	02	02	04	12	W-30	23/10	28/10	01	0	01	01	03	W-45	05/02	10/02	03	02	02	03	10
															W-46	12/02	17/02	02	01	01	02	06	

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. Test 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	Periodic Test Syllabus			Testing Hours
								Physical/ Inorganic	Chemistry	Mathematics	
1	MPT-1	JEE (Main)	30-04-17 (Sunday)	04-05-17 (Thursday)	09-05-17 (Tuesday)	11-05-17 (Thursday)	Mathematical Tools complete	Introduction To Chemistry	IUPAC Nomenclature of non-chain terminating Functional groups (-OH, -SO ₃ H, ketone, thiol and amines)	Sets, Relation & Function, Fundamentals of Mathematics (Up to idea of polynomial, Factor theorem/Remainder theorem.)	3
2	MCT-1	JEE (Main)	21-05-17 (Sunday)	25-05-17 (Thursday)	30-05-17 (Tuesday)	01-06-17 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion (Section A, B, C)	Introduction to Chemistry & Atomic Structure (upto Photoelectric Effect & Blackbody radiation.)	IUPAC Nomenclature complete and Structural isomers	Sets, Relation & Function, Fundamentals of Mathematics-I (Upto Log Equations)	3
3	MCT-2	JEE (Main)	25-06-17 (Sunday)	29-06-17 (Thursday)	04-07-17 (Tuesday)	06-07-17 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion	Introduction to Chemistry & Atomic Structure (upto Heisenberg's uncertainty principle)	IUPAC Nomenclature complete and of Organic chemistry (ABC-1) (upto alkene)	Sets, Relation & Function, Fundamentals of Mathematics-I, Quadratic Equation (Up to Range of Q/Q, I/Q, Q/I)	3
4	MPT-2	JEE (Main)	06-08-17 (Sunday)	10-08-17 (Thursday)	15-08-17 (Tuesday)	17-08-17 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE (upto WET)	Atomic Structure & Mole Concept (upto Balancing redox reactions)	Periodic Table & Chemical Bonding (upto Lewis structure)	Fundamentals of Mathematics-I, Quadratic Equation, Sequence & Series, Trigonometric ratio & identities	3
5	BPT-1	Board	03-09-17 (Sunday)	07-09-17 (Thursday)	12-09-17 (Tuesday)	14-09-17 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular motion, COM (upto calculation of COM)	Atomic Structure, Mole Concept (Upto ideal gas Equation, Connecting vessels problems)	IUPAC Nomenclature & Structural Isomerism, Periodic Table & Chemical Bonding (upto Hybridisation)	Sets, Relation & Function, Quadratic equation, Sequence & Series, Trigonometry	3
6	MCT-3	JEE (Main)	24-09-17 (Sunday)	28-09-17 (Thursday)	03-10-17 (Tuesday)	05-10-17 (Thursday)	Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, WPE, Circular motion, COM, RBD (upto torque)	Introduction to Chemistry, Atomic Structure, Mole Concept & Gaseous state (upto Real gas Introduction)	IUPAC Nomenclature & Structural Isomerism, Periodic Table & Chemical Bonding (upto Back bonding)	Sets, Relation & Function, FOM-I & II, Quadratic equation, Sequence & Series, Trigonometry, Binomial Theorem, P & C (Up to Basic selection & arrangement)	3
7	BPT-2	Board	12-11-17 (Sunday)	16-11-17 (Thursday)	21-11-17 (Tuesday)	23-11-17 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular motion, COM, RBD, SHM	Mole Concept, Gaseous state, Chemical Equilibrium (upto Le-Chatelier principle)	Chemical Bonding complete, ABC part-II and GOC-I (upto type of Resonance & Mesomeric Effect).	Sets, Relation & Function, FOM-I & II, Quadratic equation, Sequence & Series, Trigonometry, Binomial Theorem, Permutation & Combination, SOT, Principal of Mathematical Induction, Statistics	3
8	MPT-3	JEE (Main)	03-12-17 (Sunday)	07-12-17 (Thursday)	12-12-17 (Tuesday)	14-12-17 (Thursday)	Centre of mass, RBD, SHM, Fluid	Gaseous state, Chemical Equilibrium, Ionic Equilibrium (upto pH calculation (SA, SB, mixture of SA & SB, WA, WB))	Chemical Bonding complete, ABC part-II and GOC-I (upto Hyperconjugation)	Trigonometry, FOM-II, Binomial Theorem, Permutation & Combination, Solution of Triangle, Statistics, Straight Line (Except pair of lines)	3
9	MCT-4	JEE (Main)	31-12-17 (Sunday)	04-01-18 (Thursday)	09-01-18 (Tuesday)	11-01-18 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, COM, RBD, SHM, Fluids, Elasticity & viscosity, String waves	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state, Chemical Equilibrium, Ionic Equilibrium	GOC-I & s-block elements	Sets, Relation & Function, FOM-I & II, Quadratic equation, Sequence & Series, Trigonometry, Binomial Theorem, P & C, SOT, Principal of Mathematical Induction, Statistics, Straight Line, Circle	3
10	MPT-4	Board (Maths)	21-01-18 (Sunday)	25-01-18 (Thursday)	30-01-18 (Tuesday)	01-02-18 (Thursday)	String wave, sound wave, KTG & thermodynamics, Calorimetry & thermal expansion	Chemical Equilibrium, Ionic Equilibrium, Thermodynamics & Thermochemistry (upto Heat & Internal Energy)	s-block elements & p-block elements (upto silicate)	Circle, Mathematical Reasoning, Conic Section (Upto Parabola)	3
11	MT	JEE (Main)	17-02-18 (Saturday)	22-02-18 (Thursday)	27-02-18 (Tuesday)	01-03-18 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	AIDT	JEE (Main)	04-03-18 (Sunday)	08-03-18 (Monday)	13-03-18 (Thursday)	15-01-18 (Saturday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3

Date of Rescheduling: 29.10.2017

- 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.

Total Testing Hours

36

RESONANCE BOARD WORKSHEET (RBW) SCHEDULE

PHYSICS		
Week No.	RBW Dist. Date	RBW No.
W-02	10-04-2017	1
W-08	22-05-2017	2
W-11	12-06-2017	3
W-19	07-08-2017	4
W-23	04-09-2017	5
W-33	13-11-2017	6
W-35	27-11-2017	7
TOTAL RBWs		7

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-10	05-06-2017	1
W-25	18-09-2017	2
W-36	04-12-2017	3
W-43	22-01-2018	4
TOTAL RBWs		4

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-6	08-05-2017	1
W-15	10-07-2017	2
W-19	07-08-2017	3
W-26	25-09-2017	4
W-34	20-11-2017	5
W-38	18-12-2017	6
TOTAL RBWs		6

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	0	0	0	0	0	16	Week-16	3,4,5	2	2	3,4,5	8	31	Week-31	37,38,39	14	15	37,38,39	8
2	Week-2	A1,2	A1	A1	A1,2	6	17	Week-17	6,7,8	3	3	6,7,8	8	32	Week-32	40,41,42	15	16	40,41,42	8
3	Week-3	3,4	2	2	3,4	6	18	Week-18	9,10,11	4	4	9,10,11	8	33	Week-33	43,44	16	17	43,44	6
4	Week-4	5,6	3	3	5,6	6	19	Week-19	12,13	5	5	12,13	6	34	Week-34	45,46,47	0	18	45,46,47	7
5	Week-5	7,8	4	4	7,8	6	20	Week-20	14	6	6	14	4	35	Week-35	48,49,50	17	19	48,49,50	8
6	Week-6	9,10	5	5	9,10	6	21	Week-21	15,16,17	0	7	15,16,17	7	36	Week-36	51,52	0	20	51,52	5
7	Week-7	11,12	6	6	11,12	6	22	Week-22	18,19,20	7	8	18,19,20	8	37	Week-37	53,54,55	18	21	53,54,55	8
8	Week-8	13,14	7	7	13,14	6	23	Week-23	21,22	8	9	21,22	6	38	Week-38	56,57,58	19	22	56,57,58	8
9	Week-9	15,16	8	8	15,16	6	24	Week-24	23,24,25	9	10	23,24,25	8	39	Week-39	59,60,61	0	23	59,60,61	7
10	Week-10	17,18	9	9	17,18	6	25	Week-25	26,27,28	10	11	26,27,28	8	40	Week-40	62,63	20	24	62,63	6
11	Week-11	19,20	10	10	19,20	6	26	Week-26	29,30	11	12	29,30	6	41	Week-41	64,65,66	21	25	64,65,66	8
12	Week-12	21,22	11	11	21,22	6	27	Week-27	31,32,33	12	13	31,32,33	8	42	Week-42	67,68,69	22	26	67,68,69	8
13	Week-13	23,24	12	12	23,24	6	28	Week-28	34,35,36	13	14	34,35,36	8	43	Week-43	70,71	23	27	70,71	6
14	Week-14	25,26	0	13	25,26	5	29	Week-29	Diwali Vacations				44	Week-44	72,73	24	28	72,73	6	
15	Week-15	B1,2	B1	B1	B1,2	6	30	Week-30	0	0	0	0	0	45	Week-45	74,75	25	29	74,75	6
															Total Number of DPPs				281	

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
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