

TARGET*:
NITs
IIITs
CFTIs
SFTIs



Excelling in IIT-JEE Since 2001...



Resonance[®]
 Educating for better tomorrow

...Growing in JEE (Main) Since 2009

JEE (MAIN) DIVISION

EXPERIENCE
 WITH US

EXCLUSIVITY
 EXPERTISE
 EXCELLENCE

COURSE PLANNER FOR STUDENTS CLASS-XI | ABHINAV (EA01)

Target: JEE (Main) 2021

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 along with 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: 01.04.2019 | Course Ends: 23.01.2020

Reshuffling Date: 30 June, 2019 & 06 October, 2019

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:** 43 Weeks

◆ **Total Number of Lectures: 474** (P: 145 | C: 184 | M: 145)

◆ **Duration of one lecture:** 1.5 hrs = 90 minutes

◆ **Total Duration of Classroom Teaching: 711 hrs**

◆ **Total Duration of Testing Hours (MCTs/MPTs/BPTs/MT/AIOT): 45 hrs**

◆ **Total Academic Hours in ABHINAV Course: 756 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 (Board/ 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.

Holidays/ Vacations (Total: 11 Days): 1. Independence Day: 15th August, 2019 : One Day 2. Deepawali Holidays: From 24th October, 2019 (Thursday) to 02nd November, 2019 (Wednesday): 09 Days 3. Republic Day: 26th January, 2020: One Day (Applicable only at Kota SC and at other SCs 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	MATHEMATICAL TOOLS	12	01.04.19	PHYSICAL				1	FUNDAMENTALS OF MATHEMATICS -I	16	01.04.19
2	RECTILINEAR MOTION	6	22.04.19	1	INTRODUCTION TO CHEMISTRY	6	01.04.19	2	QUADRATIC EQUATION	12	29.04.19
3	PROJECTILE MOTION	6	01.05.19	2	ATOMIC STRUCTURE	18	22.04.19	3	TRIGONOMETRY	15	20.05.19
4	RELATIVE MOTION	6	14.05.19	3	MOLE CONCEPT	13	01.07.19	4	SEQUENCE & SERIES	11	12.06.19
5	NEWTONS LAWS OF MOTION	11	27.05.19	4	GASEOUS STATE-1	9	25.07.19	5	FUNDAMENTALS OF MATHEMATICS -II	9	01.07.19
6	FRICTION	5	13.06.19	5	CHEMICAL EQUILIBRIUM	8	14.08.19	6	BINOMIAL THEOREM	9	16.07.19
7	WORK, POWER & ENERGY	10	25.06.19	6	GASEOUS STATE-2	4	03.09.19	7	PERMUTATION & COMBINATION	12	31.07.19
8	CIRCULAR MOTION	8	17.07.19	7	S-BLOCK	4	11.09.19	8	STRAIGHT LINES	16	26.08.19
9	CENTRE OF MASS	12	01.08.19	8	THERMODYNAMICS & THERMOCHEMISTRY	16	18.09.19	9	MATHEMATICAL REASONING	4	30.09.19
10	RIGID BODY DYNAMICS	14	27.08.19	9	P-BLOCK (13-14 GROUPS)	6	04.11.19	10	STATISTICS	5	07.10.19
11	SIMPLE HARMONIC MOTION	9	25.09.19	10	IONIC EQUILIBRIUM (ELEMENTARY)	17	25.11.19	11	PRINCIPAL OF MATHEMATICAL INDUCTION	2	16.10.19
12	FLUID MECHANICS	7	14.10.19	ORGANIC / INORGANIC				12	SOLUTION OF TRIANGLE	5	04.11.19
13	SURFACE TENSION	3	05.11.19	1	IUPAC NOMENCLATURE	11	01.04.19	13	CIRCLE	10	13.11.19
14	UNITS & DIMENSIONS	1	12.11.19	2	STRUCTURAL ISOMERISM	4	07.05.19	14	CONIC SECTION	19	09.12.19
15	ERROR & MEASUREMENT	1	13.11.19	3	STRUCTURAL IDENTIFICATION	3	27.05.19				
16	ELASTISITY AND VISCOSITY	3	14.11.19	4	ABC-1	4	04.06.19				
17	STRING WAVES	8	20.11.19	5	ABC-2	2	17.06.19				
18	SOUND WAVES	7	05.12.19	6	ABC-3	2	24.06.19				
19	KTG & THERMODYNAMICS	8	18.12.19	7	PERIODIC TABLE	7	01.07.19				
20	CALORIMETRY & THERMAL EXPANSION	8	06.01.20	8	BASIC INORGANIC NOMENCLATURE	3	30.07.19				
	Total No. of Lectures	145		9	CHEMICAL BONDING	23	12.08.19				
				10	ABC-4	3	04.11.19				
				11	GOC-I	9	12.11.19				
				12	GOC-II	12	16.12.19				
					Total No. of Lectures	184			Total No. of Lectures	145	

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C		M	
			P	I/O			
W-1	01/04	06/04	4	2	2	4	12
W-2	08/04	13/04	4	2	2	4	12
W-3	15/04	20/04	4	2	2	4	12
W-4	22/04	27/04	4	2	2	4	12
W-5	29/04	04/05	3	2	2	4	11
W-6	06/05	11/05	4	2	2	4	12
W-7	13/05	18/05	4	2	2	4	12
W-8	20/05	25/05	3	2	1	5	11
W-9	27/05	01/06	4	2	2	4	12
W-10	03/06	08/06	4	1	3	4	12
W-11	10/06	15/06	4	2	2	4	12
W-12	17/06	22/06	3	1	2	5	11
W-13	24/06	29/06	3	2	2	4	11
W-14	01/07	06/07	3	4	1	4	12
W-15	08/07	13/07	3	3	2	4	12
W-16	15/07	20/07	4	3	2	4	13

Week No.	Week Duration		No. of Lecture				Total No. of Lectures	
	From	To	P	C		M		
			P	I/O				
W-17	22/07	27/07	3	4	1	4	12	
W-18	29/07	03/08	4	3	2	4	13	
W-19	05/08	10/08	4	3	2	4	13	
W-20	12/08	17/08	3	3	2	3	11	
W-21	19/08	24/08	3	3	2	3	11	
W-22	26/08	31/08	4	2	3	3	12	
W-23	02/09	07/09	3	4	2	3	12	
W-24	09/09	14/09	3	4	2	3	12	
W-25	16/09	21/09	3	4	2	3	12	
W-26	23/09	28/09	4	4	2	4	14	
W-27	30/09	05/10	3	4	2	4	13	
W-28	07/10	12/10	4	2	2	3	11	
W-29	14/10	19/10	4	2	3	3	12	
W-30	21/10	26/10	2	2	1	1	6	
W-31	28/10	02/11	Diwali Vacations					
W-32	04/11	09/11	3	2	2	3	10	

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C		M	
			P	I/O			
W-33	11/11	16/11	4	2	2	3	11
W-34	18/11	23/11	4	2	2	3	11
W-35	25/11	30/11	3	2	2	3	10
W-36	02/12	07/12	4	2	2	3	11
W-37	09/12	14/12	4	2	2	3	11
W-38	16/12	21/12	3	2	2	3	10
W-39	23/12	28/12	4	2	2	3	11
W-40	30/12	04/01	3	2	2	3	10
W-41	06/01	11/01	4	1	3	3	11
W-42	13/01	18/01	4	3	2	3	12
W-43	20/01	25/01	1	1	1	1	4

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern Mode	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		Mathematics	Testing Hours
							Physics	Chemistry	Physical/ Inorganic	Organic		
1	MPT1	MAIN	05-05-19 (Sunday)				Mathematical Tools	Introduction to Chemistry, Atomic Structure (upto Rutherford model)	IUPAC Nomenclature (Up to Non-chain terminating functional groups)	Fundamental of Mathematics-I	3	
2	MCT1 + BPT-1	MAIN	26-05-19 (Sunday)				Mathematical Tools, Rectilinear Motion, Projectile motion, Relative motion (Section-A)	Introduction to Chemistry & Atomic Structure (upto Photoelectric Effect)	IUPAC Nomenclature, Structural Isomerism	MCT-1 : Fundamental of Mathematics-I & Quadratic Equation BPT-1 : Fundamental of Mathematics-I & Quadratic Equation	6	
3	MPT2	MAIN	09-06-19 (Sunday)				Rectilinear Motion, Projectile Motion, Relative Motion	Introduction to Chemistry & Atomic Structure (upto Heisenberg)	IUPAC Nomenclature (IUPAC Nomenclature of chain terminating functional group & Aromatic compounds) Structural Isomerism, Structural identification.	Quadratic Equation, Trigonometric ratio (up to multiple and submultiple angle)	3	
4	MCT-2	MAIN	23-06-19 (Sunday)				Mathematical Tools, Rectilinear Motion, Projectile Motion, Newtons Laws of Motion	Introduction to Chemistry, Atomic Structure (upto Electronic configuration)	IUPAC Nomenclature, Structural Isomerism, Structural identification & ABC-1	Fundamental of Mathematics-I, Quadratic Equation and Trigonometry	3	
5	MPT-3	MAIN	14-07-19 (Sunday)				Newtons Laws of Motion, Friction, Work Power & Energy (Up to Power)	Introduction to Chemistry, Atomic Structure, Mole Concept (upto Limiting reagent)	ABC-1,2 & 3, Periodic Table (Upto Effective Nuclear Charge (Z effective))	Trigonometry, Sequence and Series, FOM-II (Up to inequalities involving modulus)	3	
6	MCT-3	MAIN	28-07-19 (Sunday)		Within 1 Week of Test Conduction	Within 2 Weeks of Test Conduction	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, Newtons Laws of Motion, Friction, Work Power & Energy	Introduction to Chemistry, Atomic Structure, Mole Concept (upto Balancing of Redox Reactions)	Structural identification, ABC-1, 2, 3 & Periodic table.	Fundamental of Mathematics-I, Quadratic Equation and Trigonometry, Sequence and Series, FOM-II, Binomial theorem (up to problems based on remainder and last digit)	3	
7	MPT-4 + BPT-2	MAIN	25-08-19 (Sunday)				Friction, Work Power & Energy, Circular Motion	Atomic Structure, Mole Concept Gaseous State-1	Periodic table, BIN & Chemical Bonding (Upto Writing resonating structures, finding average bond order)	MPT-4: Sequence and Series, FOM-II, Binomial theorem, Permutation and Combination (upto arrangement of objects with few objects identical) BPT-2: Trigonometry, Sequence and Series, Binomial theorem	6	
8	MCT-4	MAIN	22-09-19 (Sunday)				Mathematical Tools, Rectilinear Motion, Projectile motion, Relative Motion, Newtons Laws of Motion, Friction, Work Power & Energy, Circular Motion, Centre of Mass	Introduction to Chemistry & Atomic Structure, mole concept, Gaseous State-1, Gaseous State-2, Chemical Equilibrium, s-Block	IUPAC Nomenclature, Structural isomers, structural identification, ABC-1,2,3 Periodic table BIN & Chemical Bonding (Upto Bond angle & Bond length/ Bond Strength)	Fundamental of Mathematics-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial theorem, Permutation and Combination, Straight Line (up to various forms of straight line and general form)	3	
9	MPT-5	MAIN	10-11-19 (Sunday)				Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion, Fluid Mechanics	Gaseous State-2, s-Block, Thermodynamics & Thermochemistry	Chemical Bonding Complete	Permutation and Combination, Straight Line, Mathematical Reasoning, Statistics	3	
10	MPT-6	MAIN	01-12-19 (Sunday)				Surface Tension, Units & Dimensions, Error & Measurement, Elasticity & Viscosity	s-Block, Thermodynamics & Thermochemistry, p-Block (13-14 groups)	ABC-4, GOC-1 (upto Resonance effect (Drawing Structure))	Solution of Triangle, Circle (upto tangent of circle in various forms)	3	
11	MCT-5	MAIN	22-12-19 (Sunday)				Mathematical Tools, Rectilinear Motion, Projectile motion, Relative Motion, Newtons Laws of Motion, Friction, Work Power & Energy, Circular Motion, Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion, Fluid Mechanics, Surface Tension, Units & Dimensions, Error & Measurement, Elasticity & Viscosity, String Waves, Sound waves	Thermodynamics & Thermochemistry ionic equilibrium (upto pH Calculation of WA, WB pH calculation of polyprotic WA/WB and their mixtures))	GOC-1 & GOC-2, (upto Carbanion and its stability)	Fundamental of Mathematics-I, Quadratic Equation, Trigonometry, Sequence and Series, FOM-II, Binomial theorem, Permutation and Combination, Straight Line, Mathematical reasoning, Statistics, SOT, Circle	3	
12	MPT-7	MAIN	05-01-20 (Sunday)				String Waves, Sound Waves, KTG & Thermodynamics	s-Block, Thermodynamics & Thermochemistry ionic equilibrium (upto Buffer Solutions)	GOC-I & GOC-II (upto Basic Strength)	Circle, Parabola (Complete) in conics	3	
13	MT	MAIN	23-01-20 (Sunday)				XI FULL SYLLABUS	XI FULL SYLLABUS	XI FULL SYLLABUS	XI FULL SYLLABUS	3	
Total Testing Hours												45

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-2	08-04-19	1
W-6	06-05-19	2
W-11	10-06-19	3
W-14	01-07-19	4
W-19	05-08-19	5
W-24	09-09-19	6
W-29	14-10-19	7
W-37	09-12-19	8
TOTAL RBWs		8

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-7	13-05-19	1 (I/O)
W-23	02-09-19	2 (I/O)
W-33	11-11-19	3 (I/O)
W-7	13-05-19	1 (P)
W-14	01-07-19	2 (P)
W-21	19-08-19	3 (P)
W-23	02-09-19	4 (P)
W-25	16-09-19	5 (P)
W-33	11-11-19	6 (P)
TOTAL RBWs		9

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-11	10-06-19	1
W-23	02-09-19	2
W-28	07-10-19	3
TOTAL RBWs		3

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	W1	A1, 2	A1	A1	A1, 2	6	15	W15	4, 5	2	2	4, 5	6	29	W29	4, 5	2, 3	2, 3	4, 5	8
2	W2	3,4,5	2	2	3,4,5	8	16	W16	6, 7, 8	3	3	6, 7, 8	8	30	W30	6	4	4	6	4
3	W3	6,7,8	3	3	6,7,8	8	17	W17	9, 10, 11	4	4	9, 10, 11	8	31	W31	0	0	0	0	0
4	W4	9,10	4	4	9,10	6	18	W18	12, 13	5, 6	5, 6	12, 13	8	32	W32	7, 8	5	5	7, 8, 9	7
5	W5	11,12	5	5	11,12	6	19	W19	14,15,16	7	7	14,15,16	8	33	W33	9,10,11	6, 7	6	10,11,12	9
6	W6	13,14	6	6	13,14	6	20	W20	17, 18	8	8	17, 18	6	34	W34	12,13,14	8, 9	7	13,14,15	9
7	W7	15	7,8	7,8	15	6	21	W21	19, 20	9	9	19, 20	6	35	W35	15,16,17	10, 11	8	16,17,18	9
8	W8	16,17,18	9	9	16,17,18	8	22	W22	21, 22	10	10	21, 22	6	36	W36	18, 19	12	9	19, 20	6
9	W9	19,20	10	10	19,20	6	23	W23	23,24,25	11	11	23,24,25	8	37	W37	20,21,22	13	10	21,22,23	8
10	W10	21,22,23	11,12	11,12	21,22,23	4	24	W24	26,27,28	12	12	26,27,28	8	38	W38	23,24,25	14	11	24,25,26	8
11	W11	24,25	13	13	24,25	6	25	W25	29,30,31	13	13	29,30,31	8	39	W39	26, 27	15	12	27, 28	6
12	W12	26,27	14	14	26,27	6	26	W26	32, 33	14, 15	14	32, 33	7	40	W40	28,29,30	16	13	29, 30	7
13	W13	28,29,30	15	15	28,29,30	8	27	W27	34, 35	16, 17	15	34, 35	7	41	W41	31, 32	17	14	31, 32	6
14	W14	B1, 2, 3	B1	B1	B1, 2, 3	8	28	W28	C1, 2, 3	C1	C1	C1, 2, 3	8	42	W42	33	0	0	33	2
Total Number of DPPs																			283	

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

RESONANCE EDUVENTURES LTD.

JEE (MAIN) & Pre-Medical Division: CG Tower-2 [A-51 (A)], IPIA, Behind City Mall, Jhalawar Road, Kota (Raj.)-5

Contact: 0744-2777744 | **Mob.:** 08505099972/73

Reg. Office: CG Tower A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota | **CIN:** U80302RJ2007PLC024029

Toll Free: 1800 258 5555 | **WhatsApp No.:** 8003444888 | **Website:** www.resonance.ac.in

Scan for JEE (Main)
FB Page

