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COURSE PLANNER FOR STUDENTS CLASS-XI | ABHINAV (EA06)

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: 06.05.2019 | Course Ends: 21.01.2020

Reshuffling Date: 14 July, 2019 & 06 October, 2019 (05 EA) Merge Date 14.07.2019 & (01 EA) Merge Date 06.10.2019

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:** 38 Weeks

◆ **Total Number of Lectures:** 451 (P: 138 | C: 176 | M: 137)

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

◆ **Total Duration of Classroom Teaching:** 676.5 hrs

◆ **Total Duration of Testing Hours (MCTs/MPTs/BPTs/MT/AIOT):** 39 hrs

◆ **Total Academic Hours in ABHINAV Course:** 715.5 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	06.05.19	PHYSICAL				1	FUNDAMENTALS OF MATHEMATICS -I	15	06.05.19
2	RECTILINEAR MOTION	5	22.05.19	1	INTRODUCTION TO CHEMISTRY	6	06.05.19	2	QUADRATIC EQUATION	11	25.05.19
3	PROJECTILE MOTION	6	30.05.19	2	ATOMIC STRUCTURE	14	20.05.19	3	TRIGONOMETRY	15	10.06.19
4	RELATIVE MOTION	6	11.06.19	3	MOLE CONCEPT	11	01.07.19	4	SEQUENCE & SERIES	10	01.07.19
5	NEWTONS LAWS OF MOTION	10	20.06.19	4	GASEOUS STATE-1	9	29.07.19	5	FUNDAMENTALS OF MATHEMATICS -II	8	15.07.19
6	FRICTION	4	05.07.19	5	CHEMICAL EQUILIBRIUM	8	20.08.19	6	BINOMIAL THEOREM	8	29.07.19
7	WORK, POWER & ENERGY	10	12.07.19	6	GASEOUS STATE-2	4	03.09.19	7	PERMUTATION & COMBINATION	11	09.08.19
8	CIRCULAR MOTION	7	31.07.19	7	S-BLOCK	4	10.09.19	8	STRAIGHT LINES	15	29.08.19
9	CENTRE OF MASS	11	13.08.19	8	THERMODYNAMICS & THERMOCHEMISTRY	15	17.09.19	9	MATHEMATICAL REASONING	3	30.09.19
10	RIGID BODY DYNAMICS	13	05.09.19	9	P-BLOCK (13-14 GROUPS)	6	04.11.19	10	STATISTICS	5	07.10.19
11	SIMPLE HARMONIC MOTION	9	02.10.19	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	06.05.19	13	CIRCLE	10	13.11.19
14	UNITS & DIMENSIONS	1	12.11.19	2	STRUCTURAL ISOMERISM	4	11.06.19	14	CONIC SECTION	19	09.12.19
15	ERROR & MEASUREMENT	1	13.11.19	3	STRUCTURAL IDENTIFICATION	3	24.06.19				
16	ELASTISITY AND VISCOSITY	3	14.11.19	4	ABC-1	4	02.07.19				
17	STRING WAVES	8	20.11.19	5	ABC-2	2	15.07.19				
18	SOUND WAVES	7	05.12.19	6	ABC-3	3	17.07.19				
19	KTG & THERMODYNAMICS	8	18.12.19	7	PERIODIC TABLE	6	24.07.19				
20	CALORIMETRY & THERMAL EXPANSION	7	06.01.20	8	BASIC INORGANIC NOMENCLATURE	3	07.08.19				
				9	CHEMICAL BONDING	22	19.08.19				
				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	138			Total No. of Lectures	176			Total No. of Lectures	137	

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W1	06/05	11/05	5	3	2	5	15
W2	13/05	18/05	5	3	2	5	15
W3	20/05	25/05	4	2	2	6	14
W4	27/05	01/06	4	3	2	5	14
W5	03/06	08/06	4	2	2	5	13
W6	10/06	15/06	4	2	3	5	14
W7	17/06	22/06	5	3	2	5	15
W8	24/06	29/06	4	2	2	5	13
W9	01/07	06/07	5	2	3	5	15
W10	08/07	13/07	5	3	2	5	15
W11	15/07	20/07	3	3	3	5	14
W12	22/07	27/07	3	3	3	3	12
W13	29/07	03/08	4	3	3	4	14

Week No.	Week Duration		No. of Lecture				Total No. of Lectures	
	From	To	P	C	I/O	M		
W14	05/08	10/08	4	3	3	5	15	
W15	12/08	17/08	3	2	2	4	11	
W16	19/08	24/08	3	4	2	3	12	
W17	26/08	31/08	3	4	2	4	13	
W18	02/09	07/09	4	4	2	4	14	
W19	09/09	14/09	4	4	2	4	14	
W20	16/09	21/09	3	4	2	3	12	
W21	23/09	28/09	4	3	3	3	13	
W22	30/09	05/10	4	3	3	3	13	
W23	07/10	12/10	4	2	2	3	11	
W24	14/10	19/10	4	2	3	3	12	
W25	21/10	26/10	2	2	1	1	6	
W26	28/10	02/11	Diwali Vacation					

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W27	04/11	09/11	3	2	2	3	10
W28	11/11	16/11	4	2	2	3	11
W29	18/11	23/11	4	2	2	3	11
W30	25/11	30/11	3	2	2	3	10
W31	02/12	07/12	4	2	2	3	11
W32	09/12	14/12	4	2	2	3	11
W33	16/12	21/12	3	2	2	3	10
W34	23/12	28/12	4	2	2	3	11
W35	30/12	04/01	3	2	2	3	10
W36	06/01	11/01	4	1	3	3	11
W37	13/01	18/01	4	3	2	3	12
W38	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	Periodic Test Syllabus			Testing Hours	
							Physics	Chemistry			Mathematics
								Physical/ Inorganic	Organic		
1	MPT-1	JEE (MAIN)	26-05-19 (Sunday)				Mathematical Tools	Introduction to Chemistry	IUPAC Nomenclature (Up to Non-chain terminating functional groups)	Fundamental of Maths -1 (Upto log equations)	3
2	MCT-1 + BPT-1	JEE (MAIN)	16-06-19 (Sunday)				Mathematical Tools, Rectilinear Motion, Projectile Motion	Introduction to Chemistry & Atomic Structure (upto Bohr's Atomic Model)	IUPAC Nomenclature, Structural Isomerism (upto Relations)	MCT-1: Fundamental of Maths -1, Quadratic Equation BPT-1: Fundamental of Maths -1, Quadratic Equation	6
3	MPT-2	JEE (MAIN)	07-07-19 (Sunday)				Rectilinear Motion, Projectile Motion, Relative Motion, Newtons Laws of Motion	Introduction to Chemistry & Atomic Structure (Upto Electronic configuration)	IUPAC Nomenclature, Structural Isomerism & Structural Identification	Fundamental of Maths -1, Quadratic Equation, Trigonometry	3
4	MCT-2	JEE (MAIN)	28-07-19 (Sunday)				Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE (Upto Kinetic energy)	Introduction to Chemistry & Atomic Structure, Mole Concept (Upto Balancing redox reactions)	Structural Identification, ABC-1, 2, 3	Fundamental of Maths-I, Quadratic equation, Trigonometry, Sequence and series, Fundamental of Maths-II	3
5	MPT-3 + BPT-2	JEE (MAIN)	25-08-19 (Sunday)				Work Power & Energy, Circular Motion Friction,	Atomic Structure, Mole Concept Gaseous State-1	Periodic table, BIN & Chemical Bonding (Upto Writing the lewis dot structure, formal charge)	MPT-3: Sequence and Series, Fundamental of Maths-II, Binomial Theorem, Permutation & Combination (Upto arrangement of objects with few objects identical) BPT-2: Trigonometry, Sequence and series, Binomial Theorem	6
6	MCT-3	JEE (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 & 2, Chemical Equilibrium, s-Block	Periodic Table, BIN & Chemical Bonding (Upto VSEPT)	Fundamental of Maths-I, Quadratic equation, Trigonometry, Sequence and series, Fundamental of Maths-II, Binomial Theorem, Permutation & Combination, Straight line (upto various forms of straight line and general form)	3
7	MPT-5	JEE (MAIN)	10-11-19 (Sunday)				Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion, Fluid Mechanics	Gaseous State-2, s-Block, Thermodynamics & Thermochemist	Chemical Bonding Complete	Permutation and Combination, Straight Line, Mathematical Reasoning, Statistics	3
8	MPT-6	JEE (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
9	MCT-5	JEE (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 and 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, FDM-II, Binomial theorem, Permutation and Combination, Straight Line, Mathematical reasoning, Statistics, SOT, Circle	3
10	MPT-7	JEE (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 (Complex) in conics	3
11	MT	JEE (MAIN)	23-01-20 (Sunday)				XI FULL SYLLABUS	XI FULL SYLLABUS	XI FULL SYLLABUS	XI FULL SYLLABUS	3
										Total Testing Hours	39

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	13-05-19	1
W-5	03-06-19	2
W-9	01-07-19	3
W-12	22-07-19	4
W-18	02-09-19	5
W-21	23-09-19	6
W-24	14-10-19	7
W-32	09-12-19	8
TOTAL RBWs		8

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-7	17-06-19	1 (I/O)
W-18	02-09-19	2 (I/O)
W-28	11-11-19	3 (I/O)
W-9	01-07-19	1 (P)
W-17	26-08-19	2 (P)
W-22	23-09-19	3 (P)
W-28	11-11-19	4 (P)
TOTAL RBWs		7

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-8	24-06-19	1
W-18	02-09-19	2
W-23	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, A2	A1	A1	A1, A2	6	14	W14	7, 8	4	4	7, 8	6	27	W27	7, 8	5	5	7, 8, 9	7						
2	W2	3, 4	2	2	3, 4	6	15	W15	9	5	5	9	4	28	W28	9, 10, 11	6, 7	6	10, 11, 12	9						
3	W3	5, 6	3	3	5, 6	6	16	W16	10, 11	6	6	10, 11	6	29	W29	12, 13, 14	8, 9	7	13, 14, 15	9						
4	W4	7, 8	4	4	7, 8	6	17	W17	12	7	7	12	4	30	W30	15, 16, 17	10, 11	8	16, 17, 18	9						
5	W5	9, 10	5	5	9, 10	6	18	W18	13, 14	8	8	13, 14	6	31	W31	18, 19	12	9	19, 20	6						
6	W6	11, 12	6	6	11, 12	6	19	W19	15, 16	9	9	15, 16	6	32	W32	20, 21, 22	13	10	21, 22, 23	8						
7	W7	13, 14	7	7	13, 14	6	20	W20	17, 18	10	10	17, 18	6	33	W33	23, 24, 25	14	11	24, 25, 26	8						
8	W8	15, 16	8	8	15, 16	6	21	W21	19	0	0	19	2	34	W34	26, 27	15	12	27, 28	6						
9	W9	17, 18	9	9	17, 18	6	22	W22	20, 21	0	0	20, 21	4	35	W35	28, 29, 30	16	13	29, 30	7						
10	W10	19, 20	10	10	19, 20	2	23	W23	C1,2,3	C1	C1	C1,2,3	8	36	W36	31, 32	17	14	31, 32	6						
11	W11	B1, B2	B1	B1	B1, B2	6	24	W24	4, 5	2, 3	2, 3	4, 5	8	37	W37	33	0	0	33	2						
12	W12	3, 4	2	2	3, 4	6	25	W25	6	4	4	6	4	Total Number of DPPs					215							
13	W13	5, 6	3	3	5, 6	6	26	W26	Diwali Vacation																	

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

RESONANCE EDVENTURES LTD.

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