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COURSE PLANNER FOR STUDENTS

CLASS-XI | ABHINAV (EA05)

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: 29.04.2019 | Course Ends: 21.01.2020

Reshuffling Date: 14 July, 2019 & 06 October, 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:** 39 Weeks

◆ **Total Number of Lectures:** 452 (P: 138 | C: 176 | M: 138)

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

◆ **Total Duration of Classroom Teaching:** 678 hrs

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

◆ **Total Academic Hours in ABHINAV Course:** 717 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.

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.

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)

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	11	29.04.19	PHYSICAL				1	FUNDAMENTALS OF MATHEMATICS -I	15	29.04.19
2	RECTILINEAR MOTION	5	16.05.19	1	INTRODUCTION TO CHEMISTRY	4	29.04.19	2	QUADRATIC EQUATION	11	23.05.19
3	PROJECTILE MOTION	6	27.05.19	2	ATOMIC STRUCTURE	15	13.05.19	3	TRIGONOMETRY	15	08.06.19
4	RELATIVE MOTION	6	05.06.19	3	MOLE CONCEPT	12	01.07.19	4	SEQUENCE & SERIES	10	01.07.19
5	NEWTONS LAWS OF MOTION	10	17.06.19	4	GASEOUS STATE-1	9	29.07.19	5	FUNDAMENTALS OF MATHEMATICS -II	8	15.07.19
6	FRICTION	5	02.07.19	5	CHEMICAL EQUILIBRIUM	8	20.08.19	6	BINOMIAL THEOREM	8	29.07.19
7	WORK, POWER & ENERGY	10	10.07.19	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	14	05.09.19	9	P-BLOCK (13-14 GROUPS)	6	04.11.19	10	STATISTICS	5	07.10.19
11	SIMPLE HARMONIC MOTION	7	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	29.04.19	13	CIRCLE	10	13.11.19
14	UNITS & DIMENSIONS	1	12.11.19	2	STRUCTURAL ISOMERISM	4	04.06.19	14	CONIC SECTION	20	09.12.19
15	ERROR & MEASUREMENT	1	13.11.19	3	STRUCTURAL IDENTIFICATION	3	18.06.19				
16	ELASTISITY AND VISCOSITY	3	14.11.19	4	ABC-1	4	01.07.19				
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	8	06.01.20	8	BASIC INORGANIC NOMENCLATURE	3	07.08.19				
Total No. of Lectures				Total No. of Lectures				Total No. of Lectures			
138				176				138			

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	M		
			P	I/O	M		
W1	29/04	04/05	4	2	2	4	12
W2	06/05	11/05	4	2	2	4	12
W3	13/05	18/05	4	2	2	5	13
W4	20/05	25/05	4	2	2	4	12
W5	27/05	01/06	4	2	2	5	13
W6	03/06	08/06	4	2	2	5	13
W7	10/06	15/06	4	2	2	4	12
W8	17/06	22/06	4	2	2	5	13
W9	24/06	29/06	5	3	2	5	15
W10	01/07	06/07	4	3	2	5	14
W11	08/07	13/07	4	3	2	5	14
W12	15/07	20/07	3	3	3	5	14
W13	22/07	27/07	3	3	3	3	12
W14	29/07	03/08	4	3	3	4	14

Week No.	Week Duration		No. of Lecture				Total No. of Lectures	
	From	To	P	C	M			
			P	I/O	M			
W15	05/08	10/08	4	3	3	5	15	
W16	12/08	17/08	3	2	2	4	11	
W17	19/08	24/08	3	4	2	3	12	
W18	26/08	31/08	3	4	2	4	13	
W19	02/09	07/09	4	4	2	4	14	
W20	09/09	14/09	4	4	2	4	14	
W21	16/09	21/09	3	4	2	3	12	
W22	23/09	28/09	4	3	3	3	13	
W23	30/09	05/10	4	3	3	3	13	
W24	07/10	12/10	4	2	2	3	11	
W25	14/10	19/10	4	2	3	3	12	
W26	21/10	26/10	2	2	1	1	6	
W27	28/10	02/11	Diwali Vacation					
W28	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	M		
W29	11/11	16/11	4	2	2	3	11
W30	18/11	23/11	4	2	2	3	11
W31	25/11	30/11	3	2	2	3	10
W32	02/12	07/12	4	2	2	3	11
W33	09/12	14/12	4	2	2	3	11
W34	16/12	21/12	3	2	2	3	10
W35	23/12	28/12	4	2	2	3	11
W36	30/12	04/01	3	2	2	3	10
W37	06/01	11/01	4	1	3	3	11
W38	13/01	18/01	4	3	2	3	12
W39	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)				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)				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)				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)				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)				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)				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)				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)				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)				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, FDM-II, Binomial theorem, Permutation and Combination, Straight Line, Mathematical reasoning, Statistics, SOT, Circle	3	
10	MPT-7	JEE (MAIN)	05-01-20 (Sunday)				s-Block, Thermodynamics & Thermochemistry ionic equilibrium (upto Buffer Solutions)	GOC-I & GOC-II (upto Basic Strength)	Circle, Parabola (Complete) in conics	3	
11	MT	JEE (MAIN)	23-01-20 (Sunday)				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	06-05-19	1
W-5	27-05-19	2
W-10	01-07-19	3
W-13	22-07-19	4
W-19	02-09-19	5
W-22	23-09-19	6
W-25	14-10-19	7
W-33	09-12-19	8
TOTAL RBWs		8

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-9	24-06-19	1 (I/O)
W-19	02-09-19	2 (I/O)
W-29	11-11-19	3 (I/O)
W-10	01-07-19	1 (P)
W-18	26-08-19	2 (P)
W-23	23-09-19	3 (P)
W-29	11-11-19	4 (P)
TOTAL RBWs		7

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-9	24-06-19	1
W-19	02-09-19	2
W-24	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	A1	A1	A1	4	15	W15	7, 8	4	4	7, 8	6	29	W29	9, 10, 11	6, 7	6	10, 11, 12	9
2	W2	2, 3	2	2	2, 3	6	16	W16	9	5	5	9	4	30	W30	12, 13, 14	8, 9	7	13, 14, 15	9
3	W3	4, 5	3	3	4, 5	6	17	W17	10, 11	6	6	10, 11	6	31	W31	15, 16, 17	10, 11	8	16, 17, 18	9
4	W4	6, 7	4	4	6, 7	6	18	W18	12	7	7	12	4	32	W32	18, 19	12	9	19, 20	6
5	W5	8, 9	5	5	8, 9	6	19	W19	13, 14	8	8	13, 14	6	33	W33	20, 21, 22	13	10	21, 22, 23	8
6	W6	10, 11	6	6	10, 11	6	20	W20	15, 16	9	9	15, 16	6	34	W34	23, 24, 25	14	11	24, 25, 26	8
7	W7	12, 13	7	7	12, 13	6	21	W21	17, 18	10	10	17, 18	6	35	W35	26, 27	15	12	27, 28	6
8	W8	14, 15	8	8	14, 15	6	22	W22	19	0	0	19	2	36	W36	28, 29, 30	16	13	29, 30	7
9	W9	16, 17	9	9	16, 17	6	23	W23	20, 21	0	0	20, 21	4	37	W37	31, 32	17	14	31, 32	6
10	W10	18, 19	10	10	18, 19	6	24	W24	C1,2,3	C1	C1	C1,2,3	8	38	W38	33	0	0	33	2
															Total Number of DPPs				269	
11	W11	20	0	0	20	2	25	W25	4, 5	2, 3	2, 3	4, 5	8							
12	W12	B1,2	B1	B1	B1,2	6	26	W26	6	4	4	6	4							
13	W13	3, 4	2	2	3, 4	6	27	W27	Diwali Vacation											
14	W14	5, 6	3	3	5, 6	6	28	W28	7, 8	5	5	7, 8, 9	7							

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

RESONANCE EDVENTURES LTD.

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