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COURSE PLANNER FOR STUDENTS CLASS-XI | AADHAAR (06EB)

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: 17.06.2019 | Course Ends: 23.01.2020

Merge in 04EB Date: 25 August, 2019 | XII Syllabus begins on 25 January, 2020 | Subject to Enrollment

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:** 31 Weeks

♦ **Total Number of Lectures: 420** (P: 128 | C: 164 | M: 128)

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

♦ **Total Duration of Classroom Teaching: 630 hrs**

♦ **Total Duration of Testing Hours (MCTs/MPTs/BPTs/MT/AIOT): 27 hrs**

♦ **Total Academic Hours in AADHAAR Course: 657 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	17-06-19	PHYSICAL				1	FUNDAMENTALS OF MATHEMATICS-I	16	17-06-19				
2	RECTILINEAR MOTION	5	03-07-19	1	INTRODUCTION TO CHEMISTRY	4	17-06-19	2	QUADRATIC EQUATION	9	09-07-19				
3	PROJECTILE MOTION	5	11-07-19	2	ATOMIC STRUCTURE	17	02-07-19	3	TRIGONOMETRY	14	20-07-19				
4	RELATIVE MOTION	5	18-07-19	3	MOLE CONCEPT	11	20-08-19	4	SEQUENCE & SERIES	8	08-08-19				
5	NLM	12	25-07-19	4	GASEOUS STATE-1	9	11-09-19	5	MATHEMATICAL INDUCTION	1	20-08-19				
6	UNIT & DIMENSION	1	14-08-19	5	CHEMICAL EQUILIBRIUM	8	01-10-19	6	STATISTICS	3	21-08-19				
7	NCERT DISCUSSION (CHAPTER 3, 4 (PARTIAL))	1	16-08-19	6	GASEOUS STATE-2	5	16-10-19	7	FUNDAMENTALS OF MATHEMATICS-II	8	26-08-19				
8	NCERT DISCUSSION (CHAPTER 5 (PARTIAL))	1	19-08-19	7	S-BLOCK	4	06-11-19	8	BINOMIAL THEOREM	7	09-09-19				
9	FRICTION	5	20-08-19	8	THERMODYNAMICS & THERMOCHEMISTRY	16	13-11-19	9	PERMUTATION & COMBINATION	12	19-09-19				
10	WORK, POWER & ENERGY	11	28-08-19	9	P-BLOCK (13-14 GROUPS)	5	17-12-19	10	SOLUTION OF TRIANGLE	6	14-10-19				
11	CIRCULAR MOTION	7	17-09-19	10	IONIC EQUILIBRIUM (ELEMENTARY)	11	26-12-19	11	MATHEMATICAL REASONING	4	23-10-19				
12	CENTRE OF MASS	10	27-09-19	ORGANIC / INORGANIC				12	STRAIGHT LINE	13	11-11-19				
13	NCERT DISCUSSION (NLM, FRICTION, WPE, CIRCULAR MOTION) (CHAPTER 5 (PARTIAL), CHAPTER 6)	1	14-10-19	1	IUPAC NOMENCLATURE	10	17-06-19	13	CIRCLE	9	03-12-19				
14	RIGID BODY DYNAMICS	13	15-10-19	2	STRUCTURAL ISOMERISM	5	10-07-19	14	CONIC SECTION	18	18-12-19				
15	SIMPLE HARMONIC MOTION	7	14-11-19	3	ABC-1	4	29-07-19	Total No. of Lectures							
16	FLUIDS	4	27-11-19	4	ABC-2	2	12-08-19	128							
17	NCERT DISCUSSION (COM, RBD, SHM PROPERTIES OF MATTER) (CHAPTER 7, CHAPTER 10 (PARTIAL))	1	04-12-19	5	ABC-3	2	19-08-19	Total No. of Lectures							
18	SURFACE TENSION	2	05-12-19	6	PERIODIC TABLE	6	26-08-19	164							
19	ERROR	1	10-12-19	7	BIN	3	10-09-19	Total No. of Lectures							
20	ELASTICITY AND VISCOSITY	2	11-12-19	8	CHEMICAL BONDING	22	17-09-19	128							
21	STRING WAVES	6	16-12-19	9	ABC-4	2	27-11-19	Total No. of Lectures							
22	SOUND WAVES	7	25-12-20	10	GOC-I	8	02-12-19	128							
23	KTG & THERMODYNAMICS	5	07-01-20	11	GOC-II	9	24-12-19	Total No. of Lectures							
24	CALORIMETRY & THERMAL EXPANSION	3	15-01-20	Total No. of Lectures				164							
25	NCERT	1	25-01-20	Total No. of Lectures				128							
Total No. of Lectures				128				Total No. of Lectures				128			

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W1	17/06	22/06	5	2	3	5	15
W2	24/06	29/06	5	2	3	5	15
W3	01/07	06/07	4	2	2	5	13
W4	08/07	13/07	5	2	3	5	15
W5	15/07	20/07	5	2	2	6	15
W6	22/07	27/07	4	2	2	5	13
W7	29/07	03/08	5	3	2	5	15
W8	05/08	10/08	4	3	2	5	14
W9	12/08	17/08	4	3	2	5	14
W10	19/08	24/08	4	3	2	5	14
W11	26/08	31/08	4	3	2	4	13

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W12	02/09	07/09	4	2	2	4	12
W13	09/09	14/09	4	3	3	4	14
W14	16/09	21/09	4	4	2	4	14
W15	23/09	28/09	5	3	3	3	14
W16	30/09	05/10	5	4	2	4	15
W17	07/10	12/10	4	3	3	4	14
W18	14/10	19/10	4	4	2	4	14
W19	21/10	26/10	3	3	3	3	12
W20	28/10	02/11	0	3	3	0	6
W21	04/11	09/11	4	2	1	3	10
W22	11/11	16/11	4	0	0	4	8

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W23	18/11	23/11	4	4	2	4	14
W24	25/11	30/11	4	3	3	4	14
W25	02/12	07/12	4	3	3	4	14
W26	09/12	14/12	4	3	3	4	14
W27	16/12	21/12	4	4	2	3	13
W28	23/12	28/12	4	4	2	4	14
W29	30/12	04/01	4	3	3	4	14
W30	06/01	11/01	4	4	2	4	14
W31	13/01	18/01	4	3	3	4	14
W32	20/01	25/01	2	3	3	1	9

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	Periodic Test Syllabus		Mathematics	Testing Hours
								Physical/ Inorganic	Chemistry		
1	MPT-1	JEE (Main)	07-07-19 (SUNDAY)	Within 4 (Four) Days of Test Conduction	Within 1 Week of Test Conduction	Within 2 Weeks of Test Conduction	Mathematical Tools (Up to Multiplication of vector (Dot product))	Physical/ Inorganic	Chemistry	Mathematics	3
2	MCT-1	JEE (Main)	28-07-19 (SUNDAY)				Introduction to Chemistry	Organic	FOM-I (upto Logarithmic Equation)		
3	MPT-2	JEE (Main)	11-08-19 (SUNDAY)				Introduction to Chemistry & Atomic Structure (upto Bohr's Atomic Model)	IUPAC Nomenclature, Structural Isomerism	Fom-I, Quadratic Equation.		
4	MCT-2	JEE (Main)	22-08-19 (SUNDAY)				Introduction to Chemistry, Atomic Structure (upto De Broglie's + Heisenberg)	Structural isomerism, structural identification & ABC-1	Quadratic Equation, Trigonometry, (Upto sum of sine and cosine series)		
5	MPT-3	JEE (Main)	10-11-19 (SUNDAY)				Introduction to Chemistry, Atomic Structure, Mole Concept (upto Sequence & Parallel Reactions, Mixture analysis & % Purity)	IUPAC Nomenclature, Structural Isomerism, structural identification, ABC-1, 2, 3 & Periodic table (upto Z effective)	FOM-I Quadratic Equation, Trigonometry, sequence and series, Metchemical Incution, statistics, FOM-II, (Modulus function: Definition, Equations)		
6	MCT-3	JEE (Main)	01-12-19 (SUNDAY)				Mole Concept, Gaseous State-1, Chemical Equilibrium (upto Thermodynamics of Equilibrium)	GIN & Chemical bonding (upto VSEPR)	Sequence and series, Metchemical Incution, statistics, FOM-II, Binomial Theorem, Permutatio & Combination (upto Formation of group and distribution of objects)		
7	MPT-4	JEE (Main)	22-12-19 (SUNDAY)				Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state-1, Chemical Equilibrium, Gaseous state-2, s-block elements & Thermodynamics (upto Heat & work calculations)	Periodic Table, BIN & Chemical Bonding, ABC-4	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Mathematical Induction, Statistics, Fundamentals of Mathematics-II, Binomial Theorem, P & C, Mathematical Reasoning, Solution of Triangle, Straight Line (Upto Special points of D, locus)		
8	MCT-1	JEE (Main)	05-01-20 (SUNDAY)				Gaseous State-2, s-Block, Thermodynamics & Thermochemistry (upto Phase Transformation, Polytropic Process, Free Expansion, For solids & Liquids)	Chemical Bonding, ABC-4 & GOC-1 upto Resonance effect (Drawing Structure)	Permutation & Combination, Statistics, Solution of Triangle, mathematical Reasoning, Straight line		
9	MT (Mains)	JEE (Main)	23-01-20 (SUNDAY)				Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state-1, Chemical Equilibrium, Gaseous state-2, s-block elements & Thermodynamics	GOC-I & GOC-II (upto Carbanion and its stability)	FOM-I, Quadratic Equation, Trigonometry, Sequence and series, Mathematical Induction, Permutation & Combination, Statistics mathematical Reasoning, Solution of Triangle, Straight line, circle, (upto Director circle)		
								Full syllabus	Full syllabus	Full syllabus	3
Total Testing Hours											27

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-05	15-07-2019	1
W-10	19-08-2019	2
W-20	14-10-2019	3
W-24	11-11-2019	4
W-28	09-12-2019	5
W-32	06-01-2020	6
TOTAL RBWs		6

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-5	15-07-2019	1 (IO)
W-16	09-09-2019	2 (IO)
W-27	14-10-2019	3 (IO)
W-13	26-08-2019	1 (P)
W-18	30-09-2019	2 (P)
W-25	18-11-2019	3 (P)
W-29	16-12-2019	4 (P)
W-32	06-01-2020	5 (P)
TOTAL RBWs		8

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-3	01-07-2019	1
W-8	05-08-2019	2
W-14	02-09-2019	3
W-18	30-09-2019	4
W-23	04-11-2019	5
W-27	02-12-2019	6
W-30	23-12-2019	7
TOTAL RBWs		7

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	12	W12	3,4	B1	2	B1,2	6	23	W23	19,20	16	11	18,19	5
2	W2	3,4	2	2	3,4	6	13	W13	5,6	2	3	3,4	6	24	W24	21,22	0	12	19,20	5
3	W3	5,6	3	3	5,6	6	14	W14	7,8	3	4	5,6	6	25	W25	23	17	13	21,22	6
4	W4	7,8	4	4	7,8	6	15	W15	9	4	5	7,8	6	26	W26	24,25	18,19	14	23	5
5	W5	9,10	5	5	9,10	6	16	W16	10,11	5	6	9	4	27	W27	26,27	20	15	24,25	6
6	W6	11,12	6	6	11,12	6	17	W17	12,13	6,7	7	10,11	7	28	W28	28	21,22	16	26,27	7
7	W7	13,14	7	7	13,14	6	18	W18	14,15	8,9	8	12,13	7	29	W29	29,30	23,24	17	28	5
8	W8	15,16	8	8	15,16	6	19	W19	0	10	0	14,15	6	30	W30	31,32	25	0	29,30	6
9	W9	17,18	9	9	17,18	6	20	W20	0	11	0	0	1	31	W31	33,34	26	0	31,32	5
10	W10	19,20	10	10	19,20	6	21	W21	16,17	12,13	9	0	2			0	27	0	33,34	5
11	W11	B1,2	0	B1	19,20	5	22	W22	18	14,15	10	16,17	7	Total Number of DPPs					178	

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

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