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COURSE PLANNER FOR STUDENTS CLASS-XI | AADHAAR (07EB)

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: 24.06.2019 | Course Ends: 23.01.2020

Reshuffling Date: 08 September, 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:** 30 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): 30 hrs**

◆ **Total Academic Hours in AADHAAR Course: 660 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	11	24-06-19	PHYSICAL				1	FUNDAMENTALS OF MATHEMATICS-I	16	24-06-19
2	RECTILINEAR MOTION	5	15-07-19	1	INTRODUCTION TO CHEMISTRY	4	24-06-19	2	QUADRATIC EQUATION	9	17-07-19
3	PROJECTILE MOTION	5	23-07-19	2	ATOMIC STRUCTURE	18	08-07-19	3	TRIGONOMETRY	14	31-07-19
4	RELATIVE MOTION	5	31-07-19	3	MOLE CONCEPT	11	02-09-19	4	SEQUENCE & SERIES	8	21-08-19
5	NEWTON'S LAW OF MOTION	12	08-08-19	4	GASEOUS STATE-1	9	24-09-19	5	MATHEMATICAL INDUCTION	1	03-09-19
6	UNIT & DIMENSION	1	29-08-19	5	CHEMICAL EQUILIBRIUM	8	14-10-19	6	STATISTICS	3	04-09-19
7	NCERT DISCUSSION	2	02-09-19	6	GASEOUS STATE-2	5	05-11-19	7	FUNDAMENTALS OF MATHEMATICS-II	8	09-09-19
8	FRICTION	5	04-09-19	7	S-BLOCK ELEMENTS	4	18-11-19	8	BINOMIAL THEOREM	7	23-09-19
9	WORK, POWER & ENERGY	9	11-09-19	8	THERMODYNAMICS & THERMOCHEMISTRY	16	26-11-19	9	PERMUTATION & COMBINATION	12	02-10-19
10	CIRCULAR MOTION	7	01-10-19	9	P-BLOCK (13-14 GROUPS)	5	25-12-19	10	SOLUTION OF TRIANGLE	6	04-11-19
11	CENTRE OF MASS	11	10-10-19	10	IONIC EQUILIBRIUM (ELEMENTARY)	11	02-01-20	11	MATHEMATICAL REASONING	4	13-11-19
12	RIGID BODY DYNAMICS	16	08-11-19	ORGANIC / INORGANIC				12	STRAIGHT LINE	13	20-11-19
13	SIMPLE HARMONIC MOTION	7	02-12-19	1	IUPAC NOMENCLATURE	10	24-06-19	13	CIRCLE	9	12-12-19
14	FLUIDS	6	11-12-19	2	STRUCTURAL ISOMERISM	3	29-07-19	14	CONIC SECTION	18	26-12-19
15	SURFACE TENSION	2	19-12-19	3	STRUCTURAL IDENTIFICATION	2	06-08-19	Total No. of Lectures			
16	ERROR	1	24-12-19	4	ABC-1	4	13-08-19	128			
17	ELASTISITY AND VISCOSITY	2	25-12-19	5	ABC-2	2	27-08-19	Total No. of Lectures			
18	STRING WAVES	6	27-12-19	6	ABC-3	3	03-09-19	164			
19	SOUND WAVES	7	06-01-20	7	PERIODIC TABLE	6	16-09-19	Total No. of Lectures			
20	KTG & THERMODYNAMICS	5	15-01-20	8	BASIC INORGANIC NOMENCLATURE	3	01-10-19	128			
21	CALORIMETRY & THERMAL EXPANSION	3	22-01-20	9	CHEMICAL BONDING	22	08-10-19	Total No. of Lectures			
Total No. of Lectures				10	ABC-4	2	02-12-19	128			
128				11	GOC-I	8	04-12-19	Total No. of Lectures			
Total No. of Lectures				12	GOC-II	8	25-12-19	128			
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	24/06	29/06	4	2	2	4	12
W2	01/07	06/07	4	2	2	5	13
W3	08/07	13/07	4	2	2	5	13
W4	15/07	20/07	4	2	2	5	13
W5	22/07	27/07	4	2	2	4	12
W6	29/07	03/08	4	2	2	5	13
W7	05/08	10/08	4	3	2	5	14
W8	12/08	17/08	4	2	2	4	12
W9	19/08	24/08	4	3	2	5	14
W10	26/08	31/08	4	2	2	4	12
W11	02/09	07/09	5	3	2	5	15

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W12	09/09	14/09	4	4	2	4	14
W13	16/09	21/09	4	3	3	4	14
W14	23/09	28/09	4	4	2	5	15
W15	30/09	05/10	5	3	3	4	15
W16	07/10	12/10	4	3	4	4	15
W17	14/10	19/10	4	4	3	4	15
W18	21/10	26/10	2	3	2	2	9
W19	28/10	02/11	0	0	0	0	0
W20	04/11	09/11	5	3	3	4	15
W21	11/11	16/11	5	3	4	4	16
W22	18/11	23/11	5	3	4	4	16

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W23	25/11	30/11	5	3	3	4	15
W24	02/12	07/12	5	4	3	4	16
W25	09/12	14/12	5	4	3	5	17
W26	16/12	21/12	4	4	2	4	14
W27	23/12	28/12	5	4	3	5	17
W28	30/12	04/01	5	4	2	5	16
W29	06/01	11/01	5	4	2	5	16
W30	13/01	18/01	5	5	2	5	17
W31	20/01	25/01	2	1	1	1	5

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		Chemistry		Mathematics	Testing Hours
							Physical/ Inorganic	Organic	Physical/ Inorganic	Organic		
1	MPT-1	JEE (Main)	28-07-19 (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))	IUPAC-Nomenclature upto (IUPAC-Nomenclature of non-chain terminating Functional groups –OH, –SO ₃ H, Ketone, thiols and amines)	FOM-I (upto Logarithmic Equation)	3		
2	MCT-1	JEE (Main)	18-08-19 (SUNDAY)				Mathematical Tools, Projectile Motion, Projectile Motion	IUPAC Nomenclature, Structural Isomerism	FOM-I, Quadratic Equation, Trigonometry, (Upto T-ratio of multiple and sub multiple)	3		
3	MPT-2	JEE (Main)	01-09-19 (SUNDAY)				Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM (Up to Constrained motion (string))	Structural isomerism, structural identification & ABC-1	Quadratic Equation, Trigonometry, (upto Equation of form $P(\sin x \pm \cos x, \sin x \cos x)$)	3		
4	MCT-2	JEE (Main)	22-09-19 (SUNDAY)				Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Unit & Dimension, Friction, Work Power & Energy (Up to Spring force, Kinetic energy)	IUPAC Nomenclature, Structural Isomerism, structural identification, ABC-1, 2, 3 & Periodic table (upto Z effective)	FOM-I Quadratic Equation, Trigonometry, sequence and series, Methechemical Incation, statistics, FOM-II, (Modulus function: Definition, Equations)	3		
5	MPT-3	JEE (Main)	10-11-19 (SUNDAY)				NLM, Unit & Dimension, Friction, Work Power & Energy, Circular Motion, Center of Mass	BIN & Chemical bonding (upto VSEPR)	Sequence and series, Methechemical Incation, statistics, FOM-II, Binomial Theorem, Permutatation & Combination (upto Formation of group and distribution of objects)	3		
6	MCT-3+ BPT-1	JEE (Main)	01-12-19 (SUNDAY)				Mathematical tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of Mass, RBD	Introduction to Chemistry, Atomic Structure, Mole Concept (upto Thermodynamics of Equilibrium)	Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Mathematical Induction, Statistics, Fundamentals of Mathematics-II, Binomial Theorem, P & C, Solution of triangle, Mathematical Reasoning	3		
7	MPT-4	JEE (Main)	22-12-19 (SUNDAY)				RBD, SHM, Fluid mechanics	Gaseous State-2, s-Block, Thermodynamics & Thermochemistry (upto Phase Transformation, Polytropic Process, Free Expansion, For solids & Liquids)	Permutatation & Combination, Statistics, Solution of Triangle, mathematical Reasoning, Straight line	3		
8	MCT-4	JEE (Main)	05-01-20 (SUNDAY)				Mathematical tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid Mechanics, Surface tension, Elasticity & Viscosity	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state-1, Chemical Equilibrium, Gaseous state-2, s-block elements & Thermodynamics	FOM-I, Quadratic Equation, Trigonometry, Sequence and series, Mathematical Induction, Permutatation & Combination, Statistics, mathematical Reasoning, Solution of Triangle, Straight line, circle, (upto Director circle)	3		
9	MT (Main)	JEE (Main)	23-01-20 (SUNDAY)				Full syllabus	Full syllabus	Full syllabus	3		

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 30

RESONANCE BOARD WORKSHEET (RBW) SCHEDULE

PHYSICS		
Week No.	RBW Dist. Date	RBW No.
1	29-Jun-19	1
9	24-Aug-19	2
17	19-Oct-19	3
21	16-Nov-19	4
25	14-Dec-19	5
29	11-Jan-20	6
TOTAL RBWs		6

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
12	14-Sep-19	1 (PI)
17	19-Oct-19	2 (PI)
25	14-Dec-19	3 (PI)
6	03-Aug-19	1 (O)
15	05-Oct-19	2 (O)
24	07-Dec-19	3 (O)
TOTAL RBWs		6

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
4	15-Jul-19	1
8	12-Aug-19	2
14	23-Sep-19	3
20	04-Nov-19	4
24	02-Dec-19	5
28	30-Dec-19	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	W1	A1,2	A1	0	A1,2	4	12	W12	21,22	0	0	B1,2	4	23	W23	18,19	14,15	9	20,21	7
2	W2	3,4	2	A1	3,4	6	13	W13	B1,2	B1	B1	3,4	6	24	W24	20,21	16	10	22,23	6
3	W3	5,6	3	2	5,6	6	14	W14	3,4	2	2	5,6	6	25	W25	22,23	17,18	11	24,25	7
4	W4	7,8	4	3	7,8	6	15	W15	5,6	3	3	7,8	6	26	W26	24,25	19,20	12	26,27	7
5	W5	9,10	5	4	9,10	6	16	W16	7,8,9	4	4	9,10,11	8	27	W27	26,27	21,22	13	28,29	7
6	W6	11,12	6	5	11,12	6	17	W17	10,11,12	5,6	5	12,13,14	9	28	W28	28,29	23,24	14	30,31	7
7	W7	13,14	7	6	13,14	6	18	W18	0	7,8	0	0	2	29	W29	30,31	25,26	15	32,33	7
8	W8	15,16	8	7	15,16	6	19	W19	0	0	0	0	0	30	W30	32,33	27	16	34,35	6
9	W9	17	9	8	17	4	20	W20	13,14	9,10	6	15,16	7	31	W31	34	28	17	36	4
10	W10	18,19	10	9	18,19	6	21	W21	15	11	7	17	4	Total Number of DPPs					176	
11	W11	20	0	10	20	3	22	W22	16,17	12,13	8	18,19	7							

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

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