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COURSE PLANNER FOR STUDENTS

CLASS-XI | AADHAAR (EB01)

Target: JEE (Main) 2020

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: 28.05.2018 | Course Ends: 17.02.2019

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:** 36 Weeks

◆ **Total Number of Lectures:** 465 (P: 141 | C: 183 | M: 141)

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

◆ **Total Duration of Classroom Teaching:** 698 hrs

◆ **Total Duration of Testing Hours (MCTs/MPTs/BPTs/MT/AIOT):** 48 hrs

◆ **Total Academic Hours in AADHAAR Course:** 746 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: 12-Days): 1. Independence Day: 15th August, 2018 : One Day 2. Deepawali Holidays: From 5th November, 2018 (Monday) to 14th November, 2018 (Wednesday): 10 Days 3. Republic Day: 26th January, 2019: 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 (CI)				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	28.05.18	1	IUPAC Nomenclature	11	28.05.18	1	Fundamentals of Mathematics-I	17	28.05.18			
2	Rectilinear Motion	5	20.06.18	2	Structural Isomerism	4	02.07.18	2	Quadratic Equation	10	02.07.18			
3	Projectile Motion	5	02.07.18	3	Structural identification	3	10.07.18	3	Trigonometry	14	18.07.18			
4	Relative Motion	5	10.07.18	4	Periodic Table	7	17.07.18	4	Statistics	3	14.08.18			
5	NLM	12	18.07.18	5	BIN	4	06.08.18	5	Solution of Triangle	6	20.08.18			
6	Unit & Dimension	3	09.08.18	6	ABC-1	6	20.08.18	6	Sequence & Series	9	29.08.18			
7	Friction	5	16.08.18	7	ABC-2	3	03.09.18	7	Binomial Theorem	8	13.09.18			
8	Work, Power & Energy	11	23.08.18	8	Chemical Bonding	25	11.09.18	8	Permutation & Combination	13	26.09.18			
9	Circular Motion	7	12.09.18	9	ABC-3	3	03.12.18	9	Straight Line	14	18.10.18			
10	Centre of Mass	11	24.09.18	10	ABC-4	3	10.12.18	10	Circle	9	22.11.18			
11	Rigid Body Dynamics	16	11.10.18	11	GOC-I	10	18.12.18	11	Mathematical Reasoning	4	10.12.18			
12	Simple Harmonic Motion	7	20.11.18	12	GOC-II	12	15.01.19	12	Fundamentals of Mathematics-II	14	17.12.18			
13	Fluids	6	03.12.18	13	Introduction to Chemistry	6	28.05.18	13	Conic	19	09.01.19			
14	Surface Tension	4	12.12.18	14	Atomic Structure	15	18.06.18	14	Principle of Mathematical Induction	1	12.02.19			
15	Error	1	19.12.18	15	Mole Concept	14	22.08.18							
16	Elasticity and viscosity	3	20.12.18	16	Gaseous State-1	9	25.09.18							
17	String waves	8	26.12.18	17	Chemical Equilibrium	11	16.10.18							
18	Sound Waves	8	09.01.18	18	Gaseous State-2	5	19.11.18							
19	KTG & Thermodynamics	8	23.01.18	19	Thermodynamics & Thermochemistry	16	28.11.18							
20	Calorimetry & Thermal Expansion	4	06.02.18	20	Ionic Equilibrium	16	07.01.19							
Total No. of Lectures				141	Total No. of Lectures				183	Total No. of Lectures				141

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W-1	28/5	2/6	3	2	2	3	10
W-2	4/6	9/6	3	2	2	3	10
W-3	11/6	16/6	4	2	2	4	12
W-4	18/6	23/6	3	2	2	3	10
W-5	25/6	30/6	4	0	3	4	11
W-6	2/7	7/7	4	2	3	4	13
W-7	9/7	14/7	4	2	3	4	13
W-8	16/7	21/7	4	2	3	4	13
W-9	23/7	28/7	3	2	3	3	11
W-10	30/7	4/8	4	0	2	4	10
W-11	6/8	11/8	4	2	2	4	12
W-12	13/8	18/8	4	1	2	4	11
W-13	20/8	25/8	4	3	3	4	14

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W-14	27/8	1/9	4	3	3	4	14
W-15	3/9	8/9	4	3	2	4	13
W-16	10/9	15/9	5	3	3	5	16
W-17	17/9	22/9	4	3	3	4	14
W-18	24/9	29/9	4	3	2	4	13
W-19	1/10	6/10	4	3	2	4	13
W-20	8/10	13/10	4	3	2	4	13
W-21	15/10	20/10	4	3	3	4	14
W-22	22/10	27/10	4	3	2	4	13
W-23	29/10	3/11	4	3	3	4	14
W-24	5/11	10/11	0	0	0	0	0
W-25	12/11	17/11	2	3	0	2	7
W-26	19/11	24/11	4	3	3	4	14

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	I/O	M	
W-27	26/11	1/12	4	4	3	4	15
W-28	3/12	8/12	4	4	3	4	15
W-29	10/12	15/12	4	2	2	4	12
W-30	17/12	22/12	4	2	3	4	13
W-31	24/12	29/12	4	3	3	4	14
W-32	31/12	5/1	4	3	1	4	12
W-33	7/1	12/1	4	3	3	4	14
W-34	14/1	19/1	4	3	3	4	14
W-35	21/1	26/1	4	3	3	4	14
W-36	28/1	2/2	4	3	3	4	14
W-37	4/2	9/2	4	3	3	4	14
W-38	11/2	16/2	2	1	1	2	6

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	Periodic Test Syllabus			Testing Hours	
							Physics	Chemistry			Mathematics
								Physical/ Inorganic	Organic		
1	MPT-1	JEE (Main)	01-07-18 (Sunday)	05-07-18 (Thursday)	10-07-18 (Tuesday)	12-07-18 (Thursday)	Mathematical Tools complete	ITC, Atomic Structure (upto Charge and Mass of Fundamental particles, Thomson & Rutherford's Model, Properties of Charge)	IUPAC-Nomenclature (upto IUPAC-Nomenclature of Alkenes, alkynes, Cycloalkene and polyene)	Fundamentals of Mathematics-I, (upto Logarithm equation)	3
2	MCT-1	JEE (Main)	05-08-18 (Sunday)	09-08-18 (Thursday)	14-08-18 (Tuesday)	16-08-18 (Thursday)	Mathematical tools, Rectilinear Motion, Projectile motion, Relative motion, NLM (Up to Constrained motion)	ITC, Atomic Structure (Upto Photoelectric Effect & Blackbody radiation)	IUPAC Nomenclature, Structural Isomerism, Structural Identification	Fundamentals of Mathematics-I, Quadratic Equation	3
3	MPT-2	JEE (Main)	26-08-18 (Sunday)	30-08-18 (Thursday)	04-09-18 (Tuesday)	06-09-18 (Thursday)	Mathematical Tools, Kinematics, NLM, Unit & Dimensions Complete	Atomic Structure (Upto Electronic configuration)	IUPAC Nomenclature, Structural Isomerism, Structural identification, Periodic Table	FOM-I (After logarithm equation) Quadratic Equation, Trigonometry.	3
4	MCT-2 + BPT-1	JEE (Main) + Board	09-09-18 (Sunday)	13-09-18 (Thursday)	18-09-18 (Tuesday)	20-09-18 (Thursday)	Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, WPE (Up to Energy Conservation)	Introduction to Chemistry, Atomic Structure, Mole Concept (upto Equation based calculations, Concept of Limiting reagent)	Structural Isomerism, Structural identification, Periodic Table & BIN, ABC-1	FOM-I, Quadratic Equation, Trigonometry, Statistics, SOT, Sequence & Series (Upto G.P.:- General Term, Sum, Properties of G.P.)	3+3
5	MPT-3	JEE (Main)	30-09-18 (Sunday)	04-10-18 (Thursday)	09-10-18 (Tuesday)	11-10-18 (Thursday)	Kinematics, NLM, Unit & Dimensions, Friction, WPE, Circular Motion Complete	Atomic Structure, Mole Concept	ABC-1, ABC-2, Chemical Bonding (Upto writing resonating structure)	Statistics, Solution of Triangle, Sequence & Series Binomial Theorem (Upto Problem based on Remainder and divisibility)	3
6	MCT-3	JEE (Main)	21-10-18 (Sunday)	25-10-18 (Thursday)	30-10-18 (Tuesday)	01-11-18 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE, CM, COM, RBD (Up to Calculation of MI)	ITC, Atomic Structure, Mole Concept, Gaseous State-1	IUPAC Nomenclature, Structural Isomerism, Structural identification, Periodic Table, BIN, ABC-1 & 2, Chemical bonding (upto VSEPR)	FOM-I, Quadratic Equation, Trigonometry, Statistics, SOT, Sequence & Series Binomial Theorem, P & C (upto Circular arrangement)	3
7	MCT-4 BPT-2	JEE (Main) Board	16-12-18 (Sunday)	20-12-18 (Thursday)	25-12-18 (Tuesday)	27-12-18 (Thursday)	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE, CM, COM, RBD, SHM, Fluid, Surface Tension	All Above + Chemical Equilibrium, Thermodynamics & Thermochemistry (upto Calculation of Work- Isothermal, Isochoric & Isobaric)	ABC-1 & 2, Chemical bonding, ABC-3	FOM-I, Quadratic Equation, Trigonometry, Statistics, Solution of Triangle, Sequence & Series, Binomial Theorem, P & C, Straight Line, Circle, Mathematical Reasoning	3+3
8	MPT-4	JEE (Main)	06-01-19 (Sunday)	10-01-19 (Thursday)	15-01-19 (Tuesday)	17-01-19 (Thursday)	NLM, Friction, WPE, Circular Motion, COM, RBD, SHM, Fluid Mechanics, Surface Tension, Elasticity and viscosity	Gaseous State-1, Chemical Equilibrium, Gaseous State-2, Thermochemistry & Thermodynamics (upto Entropy Calculation, Third law of thermodynamics & DG)	Chemical Bonding, ABC-3 & 4, GOC-1 (upto Resonance effect (Drawing Structure))	Binomial Theorem, Permutation & Combination, Straight line, Circle, Mathematical Reasoning, FOM-II (upto Irrational Inequalities)	3
9	AJOT	JEE (Main)	10-02-19 (Sunday)	14-02-19 (Thursday)	19-02-19 (Tuesday)	21-02-19 (Thursday)	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	3
10	NT	JEE (Main)	16-02-19 (Saturday)	20-02-19 (Wednesday)	25-02-19 (Monday)	27-02-19 (Wednesday)	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	XI Full Syllabus	3
Total Testing Hours											36

*BPT-2 conduct on 16-12-2018

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-07	09-07-2018	1
W-15	03-09-2018	2
W-23	29-10-2018	3
W-27	26-11-2018	4
W-30	17-12-2018	5
W-35	21-01-2019	6
TOTAL RBWs		6

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-09	23-07-2018	1 (I/O)
W-11	06-08-2018	1 (P)
W-13	20-08-2018	2 (I/O)
W-22	22-10-2018	2 (P)
W-16	19-11-2018	3 (I/O)
W-26	19-11-2018	3 (P)
W-29	10-12-2018	4 (I/O)
W-32	31-12-2018	4 (P)
W-36	28-01-2019	5 (I/O)
W-36	28-01-2019	5 (P)
TOTAL RBWs		10

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-04	18-06-2018	1
W-08	16-07-2018	2
W-11	06-08-2018	3
W-15	03-09-2018	4
W-20	08-10-2018	5
W-25	12-11-2018	6
W-29	10-12-2018	7
W-33	07-01-2019	8
TOTAL RBWs		8

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	W-1	A1, A2	A1	A1	A1, A2	6	14	W-14	3, 4	1	2	3, 4	6	27	W-27	23, 24, 25	13	13	23, 24, 25	8
2	W-2	3, 4	2	2	3, 4	6	15	W-15	5, 6	2	3	5, 6	6	28	W-28	26, 27, 28	14	14	26, 27, 28	8
3	W-3	5, 6, 7	3	3	5, 6, 7	8	16	W-16	7, 8	3	4	7, 8	6	29	W-29	C1, C2, C3	C1	C1	C1, C2, C3	8
4	W-4	8, 9, 10	4	4	8, 9, 10	8	17	W-17	9, 10	4	5	9, 10	6	30	W-30	4, 5	2	2, 3	4, 5	7
5	W-5	11, 12	0	5, 6	11, 12	6	18	W-18	11, 12	5	6	11, 12	6	31	W-31	6, 7, 8	3, 4	4	6, 7, 8	9
6	W-6	13, 14, 15	5	7, 8	13, 14, 15	9	19	W-19	13, 14	6	7	13, 14	6	32	W-32	9, 10, 11	5, 6	5	9, 10, 11	9
7	W-7	16, 17, 18	6	9	16, 17, 18	8	20	W-20	15, 16	7	8	15, 16	6	33	W-33	12, 13	7	6	12, 13	6
8	W-8	19, 20	7	10	19, 20	6	21	W-21	17, 18	8	9	17, 18	6	34	W-34	14, 15, 16	8, 9	7, 8	14, 15, 16	10
9	W-9	21, 22, 23	8	11	21, 22, 23	8	22	W-22	0	9	10	0	2	35	W-35	17, 18, 19	10, 11	9	17, 18, 19	9
10	W-10	24, 25, 26	0	12, 13	24, 25, 26	8	23	W-23	19	10	11	19	4	36	W-36	20, 21, 22	12	10, 11	20, 21, 22	9
11	W-11	27, 28	9	14	27, 28	6	24	W-24	0	0	0	0	0	37	W-37	23, 24, 25	13	12	23, 24, 25	8
12	W-12	29, 30, 31	10	15	29, 30, 31	8	25	W-25	20	11	0	20	3	38	W-38	26	0	13	26	3
13	W-13	B1, B2	0	B1	B1, B2	5	26	W-26	21, 22	12	12	21, 22	6	Total Number of DPPs					249	

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

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