Excelling in IIT-JEE Since 2001...

Resonance®
Educating for better tomorrow
...Growing in JEE (Main) Since 2009

JEE (MAIN) DIVISION

COURSE PLANNER

EXPERIENCE WITH US — EXCLUSIVITY, EXPERTISE, EXCELLENCE

A COMPACT COURSE (CC) DURATION: 10 WEEKS

अर्जुन

TARGET: JEE (MAIN) 2019 (APRIL ATTEMPT)

TAKE YOUR BEST SHOT AT JEE (MAIN)

COURSE CONCEPT

The Government of India (HRD Ministry) recently created a National Testing Agency (NTA), which will conduct national level examinations under new pattern. Under this, JEE (Main) will be conducted twice in a year. First attempt in January and second attempt in April.

Because of these changes, Resonance has launched an innovative compact course "ARJUN". The course is designed in a way that complete course is covered by using specially designed rapid fire DPPs and concept refining DPPs with sufficient test practice. In this 10-week long course every day 6 lectures will be delivered, 3 in the morning and 3 in the evening. These lectures will cover theory discussion, DPP solving and rapid fire tests in 1.5 hours duration. Every Sunday computer based JEE (Main) pattern tests of 3 hours duration will be conducted.

TEACHING METHODOLOGY

S#	PARTICULARS	JEE (MAIN) 2019
1	Study Material	Rapid Fire DPPs, Concept Refining DPPs & brief topic synopsis
2	Duration of each classes	1 Hour 45 minutes
3	Classes Per Day/Session	03 Classes (Morning) + 03 Classes (Evening)
4	Classes Per subject per week	08 Classes per week*
5	Total Classes	336 Classes
6	Total teaching Hours	487 Hrs
7	Schedule	Monday to Friday: Regular 6 Classes Wed & Fri: Accelerated Practice Test (1.5 Hr) in last evening session Saturday: Holiday Sunday: Online Practice Test
8	Testing System	11 JEE (Main) pattern cumulative test: 3 Hrs 18 Rapid Fire Test: 1.5 Hrs
9	Medium of Instructions	Separate English & Hindi Batches
10	Class Location	JEE (Main) Division Campus, CG Tower-2, Kota

*Number of classes may be increased or decreased as per requirement.

DPPs SCHEDULED (EVENING) (RAPID FIRE & REFINING DPPs solving)

S. No.	DPPs Schedule Number	DPPs Schedule Date	PERIODIC DPPs SYLLABUS		
			PHYSICS	CHEMISTRY	MATHEMATICS
1	RAPID FIRE-1	23-1-19	RECTILINEAR MOTION & PROJECTILE MOTION	MOLE CONCEPT	FOM
	CONCEPT REFINING-1	24-1-19			
2	RAPID FIRE-2	28-1-19	RELATIVE MOTION & NEWTONS LAWS OF MOTION	IUPAC & STRUCTURAL & STEREO ISOMERISM	QUADRATIC EQUATION
	CONCEPT REFINING-2	29-1-19			
3	RAPID FIRE-3	31-1-19	FRICTION & WORK POWER & ENERGY	EQUIVALENT CONCEPT, QMM, PERIODIC TABLE	SEQUENCE AND SERIES AND BASICS OF TRIGONOMETRY
	CONCEPT REFINING-3	1-2-19			
4	RAPID FIRE-4	4-2-19	CIRCULAR MOTION, CENTER OF MASS	REDUCTION, OXIDATION & HYDROLYSIS	STRAIGHT LINES
	CONCEPT REFINING-4	5-2-19			
5	RAPID FIRE-5	7-2-19	CENTER OF MASS & RIGID BODY DYNAMICS	GASEOUS STATE, CHEMICAL BONDING	CIRCLES
	CONCEPT REFINING-5	8-2-19			
6	RAPID FIRE-6	11-2-19	RIGID BODY DYNAMICS, SIMPLE HARMONIC MOTION, ELASTICITY & VISCOSITY	-	AOD
	CONCEPT REFINING-6	12-2-19			
7	RAPID FIRE-7	14-2-19	FLUID MECHANICS, SURFACE TENSION, STRING WAVES	CHEMICAL & IONIC EQUILIBRIUM	RELATIONS, FUNCTIONS, ITF
	CONCEPT REFINING-7	15-2-19			
8	RAPID FIRE-8	18-2-19	SOUND WAVES, KTG & THERMODYNAMICS	GOC-I & GOC-II	STATISTICS AND MATHEMATICAL REASONING
	CONCEPT REFINING-8	19-2-19			
9	RAPID FIRE-9	21-2-19	KTG & THERMODYNAMICS, CALORIMETRY & THERMAL EXPANSION	COORDINATION & IONIC EQUILIBRIUM	LCD
	CONCEPT REFINING-9	22-2-19			
10	RAPID FIRE-10	25-2-19	GEOMETRICAL OPTICS	-	CONICS
	CONCEPT REFINING-10	26-2-19			
11	RAPID FIRE-11	28-2-19	ELECTROSTATICS	ELECTROCHEMISTRY & S-BLOCK ELEMENTS	INDEFINITE / DIFFERENTIAL EQUATION
	CONCEPT REFINING-11	1-3-19			
12	RAPID FIRE-12	4-3-19	GRAVITATION, CURRENT ELECTRICITY	ORM-1 & 2	DEFINITE INTEGRATION
	CONCEPT REFINING-12	5-3-19			
13	RAPID FIRE-13	7-3-19	CURRENT ELECTRICITY, HEAT TRANSFER	SOLUTIONS & COLLIGATIVE PROPERTIES, P-BLOCK (13 TO 16 GP)	VECTOR-1
	CONCEPT REFINING-13	8-3-19			
14	RAPID FIRE-14	11-3-19	ERROR, MEASUREMENT & EXPERIMENTS, CAPACITANCE	ORM-3 & 4	VECTOR-2
	CONCEPT REFINING-14	12-3-19			
15	RAPID FIRE-15	14-3-19	EMF	SOLID STATE & METALLURGY	COMPLEX NUMBER
	CONCEPT REFINING-15	15-3-19			
16	RAPID FIRE-16	18-3-19	EMI	AROMATIC + CARBONYL COMPOUNDS	DETERMINANTS AND MATRICES
	CONCEPT REFINING-16	19-3-19			
17	RAPID FIRE-17	22-3-19	ALTERNATING CURRENT, WAVE OPTICS	CHEMICAL KINETICS & P-BLOCK (17 TO 18 GP)	BINOMIAL THEOREM
	CONCEPT REFINING-17	23-3-19			
18	RAPID FIRE-18	25-3-19	MODERN PHYSICS & NUCLEAR PHYSICS	BIOMOLECULES, POLYMERS & EVERYDAY LIFE	PERMUTATION AND COMBINATION/ PROBABILITY
	CONCEPT REFINING-18	26-3-19			
19	RAPID FIRE-19	28-3-19	SEMI CONDUCTORS, ELECTROMAGNETIC WAVES, PRINCIPLE OF COMMUNICATION	THERMODYNAMICS + SURFACE CHEMISTRY	PERMUTATION AND COMBINATION/ PROBABILITY
	CONCEPT REFINING-19	28-3-19			

ONLINE RAPID FIRE TEST SCHEDULE (EVENING) | DURATION: 1 Hr. 30 Min.

S. No.	Rapid Fire Test	Test Date	PERIODIC TEST SYLLABUS		
			PHYSICS	CHEMISTRY	MATHEMATICS
1	RFT-1	25-01-19	Rectilinear Motion & Projectile Motion	Mole Concept	Fundamentals of Mathematics
2	RFT-2	30-01-19	Relative Motion & Newtons Laws of Motion	IUPAC & Structural Isomerism	Quadratic Equation
3	RFT-3	02-02-19	Friction & Work Power & Energy	Equivalent Concept, QMM, Periodic Table	Sequence and Series and Basics of Trignometry
4	RFT-4	06-02-19	Circular Motion, Center of Mass	Reduction, oxidation & hydrolysis	Straight lines
5	RFT-5	09-02-19	Center of Mass & Rigid Body Dynamics	Gaseous State, Chemical Bonding	Circles
6	RFT-6	13-02-19	Rigid Body Dynamics, Simple Harmonic Motion, Elasticity & Viscosity	-	AOD
7	RFT-7	16-02-19	Fluid Mechanics, Surface Tension, String Waves	Chemical & Ionic Equilibrium	Relations, Functions, ITF
8	RFT-8	20-02-19	Sound Waves, KTG & Thermodynamics	GOC-I & GOC-II	Statistics and Mathematical Reasoning and Limit (Basic)
9	RFT-9	23-02-19	KTG & Thermodynamics.	Coordination & Ionic Equilibrium	LCD
10	RFT-10	27-02-19	Calorimetry & Thermal Expansion, Geometrical Optics	-	Conics
11	RFT-11	02-03-19	Geometrical Optics, Electrostatics	Electrochemistry & s-Block elements	Indefinite/Differential equation
12	RFT-12	06-03-19	Electrostatics,Gravitation, Current Electricity	ORM-1 & 2	Definite Integration and Area under curve
13	RFT-13	09-03-19	Current Electricity, Heat Transfer	Solutions & Colligative Properties, p-Block (13 to 16 gp)	Vectors-1
14	RFT-14	13-03-19	Error, Measurement & Experiments, Capacitance	ORM-3 & 4	Vectors-2
15	RFT-15	16-03-19	EMF	Solid State & Metallurgy	Complex Numbers
16	RFT-16	20-03-19	EMI	Aromatic + Carbonyl compounds	Binomial Theorem
17	RFT-17	27-03-19	Alternating Current, Wave Optics, Modern Physics & Nuclear Physics	Biomolecules, Polymers & everyday life	Permutation and Combination / Probability
18	RFT-18	30-03-19	Semi Conductors, Electromagnetic Waves, Principle of Communication	Thermodynamics + Surface Chemistry	Permutation and Combination / Probability

ONLINE PERIODIC TEST SCHEDULE (MORNING) | DURATION: 3 Hrs.

S. No.	Periodic Test Type and No.	Periodic Test Date	PERIODIC TEST SYLLABUS		
			PHYSICS	CHEMISTRY	MATHEMATICS
1	MCT-1	27-01-19	Rectilinear Motion, Projectile Motion	IUPAC & Structure isomerism + Mole Concept	FOM
2	MCT-2	03-02-19	MCT-1 + Relative Motion, Newtons Laws of Motion, Friction, Work Power & Energy	MCT-1 + Equivalent Concept, Quantum Number, IUPAC & Structure isomerism & Stereoisomerism	MCT-1 + Quadratic Equations Sequence and Series and Basics of Trignometry
3	MCT-3	10-02-19	MCT-2 + Circular Motion, Center of Mass, Rigid Body Dynamics	MCT-2 + Periodic Table, Stereoisomerism	MCT-2 + Straight lines, Circles
4	MCT-4	17-02-19	MCT-3 + Simple Harmonic Motion, Elasticity & Viscosity, Fluid Mechanics, Surface Tension.	MCT-3 + Gaseous State, Chemical bonding, Oxidation, reduction, hydrolysis & heating effect	MCT-3+ AOD, Relations, Function, ITF
5	MCT-5	24-02-19	MCT-4 + String Waves, Sound Waves, KTG & Thermodynamics,	MCT-4 + Chemical Equilibrium, Ionic Equilibrium, GOC-I, GOC-II	MCT-4 + Statistic & Mathematical Reasoning, LCD
6	MCT-6	03-03-19	MCT-5 + Calorimetry & Thermal Expansion, Geometrical Optics, Electrostatics	MCT-5 + Coordination Compounds, ORM-I (Reaction of aldehyde, ketone & acid, acid derivatives)	MCT-5 + Conic section, Indefinite/Differential equation
7	MCT-7	10-03-19	MCT-6 + Gravitation, Current Electricity.	MCT-6 + Electrochemistry, ORM-II (Hydrocarbon-Benzene, Alkane, Alkene, Alkyne)	MCT-6 + Definite Integration & Area under curve, Vector-1
8	MCT-8	17-03-19	MCT-7 + Heat Transfer, Error, Measurement & Experiments, Capacitance, EMF	MCT-7 + s-Block, Solution Colligative, p-Block (13 to 14), ORM-III & ORM-IV (Haloalkane, Haloarene, Alcohol, Ether)	MCT-7 + Vector-1 & 2, Complex Number
9	MCT-9	24-03-19	MCT-8 + EMI + Alternating Current	MCT-8 + p-Block (15 to 16), Solid State, Metallurgy, Phenol Aniline & Nitrobenzene Benzene diazonium salt, Lab test & POC.	MCT-8 + Determinants & Matrices, Binomial Theorem
10	MT-1	31-03-19	Full Syllabus	Full Syllabus	Full Syllabus
11	MT-2	01-04-19	Full Syllabus	Full Syllabus	Full Syllabus

SUBJECT WISE SYLLABUS PLAN

PHYSICS [P]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	RECTILINEAR MOTION	1	23-01-19
2	PROJECTILE MOTION	1	24-01-19
3	RELATIVE MOTION	1	25-01-19
4	NEWTONS LAWS OF MOTION	1	28-01-19
5	FRICTION	1	29-01-19
6	WORK POWER & ENERGY	2	30-01-19
7	CIRCULAR MOTION	2	01-02-19
8	CENTER OF MASS	3	04-02-19
9	RIGID BODY DYNAMICS	3	07-02-19
10	SIMPLE HARMONIC MOTION, ELASTICITY & VISCOSITY	2	11-02-19
11	FLUID MECHANICS, SURFACE TENSION	3	13-02-19
12	STRING WAVES	2	16-02-19
13	SOUND WAVES	2	19-02-19
14	KTG & THERMODYNAMICS	3	21-02-19
15	CALORIMETRY & THERMAL EXPANSION	1	25-02-19
16	GEOMETRICAL OPTICS	3	26-02-19
17	ELECTROSTATICS	3	01-03-19
18	GRAVITATION	1	05-03-19
19	CURRENT ELECTRICITY	3	06-03-19
20	HEAT TRANSFER	1	09-03-19
21	ERROR, MEASUREMENT & EXPERIMENTS	1	11-03-19
22	CAPACITANCE	2	12-03-19
23	EMF	2	14-03-19
24	MAGNETIC PROPERTIES	1	16-03-19
25	EMI	3	18-03-19
26	ALTERNATING CURRENT	1	22-03-19
27	WAVE OPTICS	1	23-03-19
28	MODERN PHYSICS	2	25-03-19
29	NUCLEAR PHYSICS	1	27-03-19
30	SEMI CONDUCTORS	2	28-03-19
31	ELECTROMAGNETIC WAVES, PRINCIPLE OF COMMUNICATION	1	30-03-19
Total No. of Lectures		**56**	

CHEMISTRY [C]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
	PHYSICAL		
1	MOLE CONCEPT	2	24-01-19
2	EQUIVALENT CONCEPT	1	30-01-19
3	GASEOUS STATE	1	06-02-19
4	CHEMICAL BONDING	3	07-02-19
5	CHEMICAL EQUILIBRIUM	2	13-02-19
6	IONIC EQUILIBRIUM	2	15-02-19
7	ELECTROCHEMISTRY	3	23-02-19
8	SOLUTION & COLLIGATIVE PROPERTIES	2	02-03-19
9	SOLID STATE	2	13-03-19
10	CHEMCIAL KINETICS	2	20-03-19
11	THERMODYNAMIC & THERMOCHEMISTRY	3	27-03-19
12	SURFACE CHEMISTRY	1	30-03-19
	INORGANIC		
13	QUANTUM NUMBERS	1	31-01-19
14	PERIODIC TABLE	2	01-02-19
15	COORDINATION COMPOUNDS	3	20-02-19
16	S-BLOCK ELEMENTS	1	01-03-19
17	P-BLOCK ELEMENTS (13 AND 14 GROUPS)	2	07-03-19
18	P-BLOCK ELEMENTS (15 AND 16 GROUPS)	1	09-03-19
19	METALLURGY	2	15-03-19
20	P-BLOCK ELEMENTS (17 AND 18 GROUPS)	1	23-03-19
	ORGANIC		
21	IUPAC & STRUCTURE ISOMERISM	1	23-01-19
22	STEREOISOMERISM	2	28-01-19
23	OXIDATION, REDUCTION, HYDROLYSIS & HEATING EFFECT	2	04-02-19
24	GOC-I	1	11-02-19
25	GOC-II	1	12-02-19
26	ORM-I (REACTION OF ALDEHYDE, KETONE & ACID, ACID DERIVATIVES)	2	18-02-19
27	ORM-II (HYDROCARBON-BENZENE, ALKANE, ALKENE, ALKYNE)	2	25-02-19
28	ORM-III & ORM-IV (HALOALKANE, HALOARENE, ALCOHOL, ETHER)	2	04-03-19
29	PHENOL	1	11-03-19
30	ANILINE & NITROBENZENE, BENZENE DIAZONIUM SALT, LAB TEST & POC	1	12-03-19
31	NAME REACTION OF ALDEHYDE, KETONE, CARBOXYLIC ACID & ACID DEARIVATIVES	2	18-03-19
32	BIOMOLECULES (CARBOHYDRATE, PROTEIN, ENZYME, VITAMIN, DNA, RNA ETC)	1	25-03-19
33	POLYMERS & EVERY DAY LIFE	1	26-03-19
Total No. of Lectures		**56**	

MATHEMATICS [M]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	FUNDAMENTAL OF MATHEMATICS	23-01-19	3
2	QUADRATIC EQUATION	28-01-19	3
3	SEQUENCE AND SERIES AND BASICS OF TRIGNOMETRY	31-01-19	3
4	STRAIGHT LINES	04-02-19	3
5	CIRCLES	07-02-19	3
6	AOD	11-02-19	3
7	RELATIONS, FUNCTIONS, ITF	14-02-19	3
8	STATISTICS AND MATHEMATICAL REASONING	18-02-19	2
9	LCD	20-02-19	3
10	CONIC SECTION	23-02-19	3
11	INDEFINITE/DIFFERENTIAL EQUATION	27-02-19	4
12	DEFINITE INTEGRATION	04-03-19	2
13	AREA UNDER CURVE	06-03-19	1
14	VECTORS-1	07-03-19	3
15	VECTORS-2	11-03-19	2
16	COMPLEX NUMBER	13-03-19	3
17	DETERMINANTS AND MATRICES	16-03-19	3
18	BINOMIAL THEOREM	20-03-19	3
19	PERMUTATION AND COMBINATION/PROBABILITY	25-03-19	6
Total No. of Lectures		**56**	