



Academic Session: 2019-20

**TARGET:
NEET
AIIMS**

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COURSE PLANNER FOR STUDENTS CLASS-XIII SAMPOORN (MD)

Target: NEET/AIIMS 2020

Medium: English | Hindi

COURSE CONCEPT

A Course which offers ample time of 1 year to become an expert in the curriculum of NEET/AIIMS. The course progresses with basic fundamental study; covering upon the syllabus for the preparation of NEET/AIIMS. The course helps in development of concepts as well as competitive exams, enhancement of analytical thinking and increasing the confidence level of aspirant.

Course Commencement: 14.05.2019 | Course Ends: 29.02.2020

RESONANCE TEACHING METHODOLOGY

Preparation for NEET/AIIMS

Classroom Teaching

Daily Practice Problems (DPPs)

Study Material (Sheets/Modules)

Periodic Tests - NEET/AIIMS Pattern

Doubt Classes

TEACHING/LEARNING TOOLS

- ♦ **Daily Practice Problems (DPPs):** A handout having problems for home assignment, practice and classroom discussion covering current and previous topics. A DPP for NEET/AIIMS contains approximate 10-15 problems.
- ♦ **Study Material (Sheets/Modules):** Topic wise study material having key concepts, problems for practice in various Exercise Levels and questions asked in previous years (NEET/AIIMS).
- ♦ **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 NEET/AIIMS.

TOTAL ACADEMIC HOURS

- ♦ **Course Duration: 38 Weeks**
- ♦ **Total Number of Lectures: 637** (P:214 | C:208 | B:215)
- ♦ **Duration of one lecture: 1.5 hrs = 90 minutes**
- ♦ **Total Duration of Classroom Teaching: 955.5 hrs**
- ♦ **Total Duration of Testing Hours: 54 hrs**
- ♦ **Total Academic Hours in SAMPOORN Course: 1009.5 hrs**

Disclaimer:

- ♦ The Institute reserves the right to increase/decrease the number of lectures/tests allotted to any topic and also make changes in the sequence of the topics/tests 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 2019-20. 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 SC's 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 [P]				CHEMISTRY [C]				BIOLOGY [B]			
S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date	S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date	S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date
1	MATHEMATICAL TOOLS	5	14-05-19	PHYSICAL / INORGANIC				ZOOLOGY			
2	RECTILINEAR MOTION	5	18-05-19	1	ATOMIC STRUCTURE	9	14-5-19	1	BIOTECHNOLOGY	9	14-05-19
3	PROJECTILE MOTION	3	24-05-19	2	PERIODIC TABLE	4	28-5-19	2	BHM (MICROBES IN HUMAN WELFARE + ANIMAL HUSBANDRY)	6	03-06-19
4	RELATIVE MOTION	2	28-05-19	3	MOLE CONCEPT	7	4-6-19	3	LOCOMOTION AND MOVEMENT	6	17-06-19
5	NEWTONS LAWS OF MOTION	7	30-05-19	4	CHEMICAL BONDING	14	18-6-19	4	BIOMOLECULES	9	01-07-19
6	FRICTION	3	07-06-19	5	CHEMICAL EQUILIBRIUM	6	15-7-19	5	DIGESTION AND ABSORPTION	7	22-07-19
7	WORK POWER ENERGY (WPE)	6	11-06-19	6	IONIC EQUILIBRIUM	10	24-7-19	6	BREATHING & EXCHANGE OF GASES	5	06-08-19
8	CIRCULAR MOTION	7	18-06-19	7	COORDINATION COMPOUNDS	9	12-8-19	7	BODY FLUIDS AND CIRCULATION	6	20-08-19
9	CENTER OF MASS (COM)	8	26-06-19	8	SURFACE CHEMISTRY	4	29-8-19	8	EXCRETORY PRODUCTS & THEIR ELIMINATION	5	03-09-19
10	RIGID BODY DIMENSION (RBD)	10	05-07-19	9	P-BLOCK (B & C FAMILY)	4	5-9-19	9	EVOLUTION	6	16-09-19
11	SIMPLE HARMONIC MOTION (SHM)	8	17-07-19	10	ELECTROCHEMISTRY	10	12-9-19	10	BIOLOGY IN HUMAN WELFARE (HEALTH & DISEASE)	7	30-09-19
12	ELECTROSTATICS	20	26-07-19	11	P-BLOCK (N & O FAMILY)	6	2-10-19	11	REPRODUCTION IN ORGANISMS	1	15-10-19
13	GRAVITATION	4	20-08-19	12	METALLURGY	4	14-10-19	12	HUMAN REPRODUCTION	8	16-10-19
14	CURRENT ELECTRICITY	7	24-08-19	13	SOLUTION & COLLAGATIVE PROPERTIES	7	21-10-19	13	REPRODUCTIVE HEALTH	2	18-11-19
15	CAPACITANCE	7	02-09-19	14	p-BLOCK (HALOGEN & NOBLE GAS)	3	14-11-19	14	NEURAL CONTROL & COORDINATION	7	20-11-19
16	EMF	10	10-09-19	15	THERMODYNAMICS	13	20-11-19	15	CHEMICAL COORDINATION & INTEGRATION	6	09-12-19
17	EMI	7	21-09-19	16	CHEMICAL KINETICS	8	16-12-19	16	ANIMAL KINGDOM-INCLUDING PROTOZOA	7	23-12-19
18	ALTERNATIVE CURRENT (AC)	5	30-09-19	17	s-BLOCK	3	30-12-19	17	STRUCTURAL ORGANISATION IN ANIMALS	8	07-01-20
19	GEOMETRICAL OPTICS	20	05-10-19	18	d-BLOCK	5	2-1-20	BOTANY			
20	STRING WAVES	6	09-11-19	19	EQUIVALENT CONCEPT	4	13-1-20	18	PLANT PHYSIOLOGY - II (PLANT GROWTH AND DEVELOPMENT)	9	14-05-19
21	SOUND WAVES	6	16-11-19	20	SOLID STATE	5	20-1-20	19	LIVING WORLD	5	03-06-19
22	WAVE OPTICS	5	23-11-19	21	GASEOUS STATE	3	28-1-20	20	PLANT PHYSIOLOGY - I (TRANSPORT IN PLANTS)	6	17-06-19
23	SOLID & SEMICONDUCTOR DEVICE	5	29-11-19	ORGANIC				21	REPRODUCTION IN FLOWERING PLANTS	9	01-07-19
24	EMW	1	05-12-19	22	IUPAC NOMENCLATURE	6	14-5-19	22	CELL BIOLOGY	10	22-07-19
25	KTG & THERMODYNAMICS	7	06-12-19	23	STRUCTURAL ISOMERISM	8	3-6-19	23	PLANT PHYSIOLOGY - II	11	13-08-19
26	CALORIMETRY & THERMAL EXPANSION	4	14-12-19	24	GOC (ELECTRONIC EFFECT)	4	8-7-19	24	GENETICS	18	09-09-19
27	HEAT TRANSFER	4	19-12-19	25	APPLICATION OF ELECTRONIC EFFECTS	11	22-7-19	25	BIOLOGICAL CLASSIFICATION	5	21-10-19
28	FLUID MECHANICS	5	24-12-19	26	REACTION MECHANISM OF ALKYL / ARYL HALIDE	4	2-9-19	26	PLANT KINGDOM	5	11-11-19
29	SURFACE TENSION	4	30-12-19	27	REACTION MECHANISM OF ALCOHOL ETHER	4	16-9-19	27	ECOLOGY	13	20-11-19
30	ELASTICITY & VISCOSITY	4	03-01-20	28	CHEMICAL REACTION OF HYDROCARBON (ALKANE/ALKENE/ALKYNE)	6	30-9-19	28	PLANT MORPHOLOGY	7	23-12-19
31	UNITS & DIMENSIONS	2	08-01-20	29	HYDROCARBON	1	21-10-19	29	PLANT ANATOMY	7	07-01-20
32	ERROR ANALYSIS	4	10-01-20	30	GRIGNARD REAGENT	2	4-11-19	30	PLANT PHYSIOLOGY - I	3	22-01-20
33	POC	1	15-01-20	31	AROMATIC HYDROCARBON (BENZENE)	4	11-11-19	31	APPLICATION BIOLOGY	2	29-01-20
34	MODERN PHYSICS	6	16-01-20	32	AROMATIC COMPOUND (PHENOL ANILINE, NITROBENZENE)	8	25-11-19				
35	NUCLEAR PHYSICS	6	24-01-20	33	CARBONYL COMPOUND & CARBOXYLIC ACID AND DERIVATIVES	8	23-12-19				
Total No. of Lectures		214	Total No. of Lectures		208	Total No. of Lectures		215			

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture						Total
	From	To	P	C		BIOLOGY			
				P/I	O	Bot	Zoo		
W-1	13/05	18/05	5	3	2	2	3	15	
W-2	20/05	25/05	6	4	2	3	3	18	
W-3	27/05	01/06	6	4	2	3	3	18	
W-4	03/06	08/06	6	4	2	3	3	18	
W-5	10/06	15/06	6	4	2	2	3	17	
W-6	17/06	22/06	6	4	2	3	3	18	
W-7	24/06	29/06	6	4	2	3	3	18	
W-8	01/07	06/07	6	4	2	3	3	18	
W-9	08/07	13/07	6	4	2	3	3	18	
W-10	15/07	20/07	6	4	2	3	3	18	
W-11	22/07	27/07	6	4	2	3	3	18	
W-12	29/07	03/08	6	4	2	3	3	18	
W-13	05/08	10/08	6	4	2	3	3	18	

Week No.	Week Duration		No. of Lecture						Total
	From	To	P	C		BIOLOGY			
				P/I	O	Bot	Zoo		
W-14	12/08	17/08	5	3	1	3	2	14	
W-15	19/08	24/08	6	4	2	3	3	18	
W-16	26/08	31/08	6	4	2	3	3	18	
W-17	02/09	07/09	6	4	2	3	3	18	
W-18	09/09	14/09	6	4	2	3	3	18	
W-19	16/09	21/09	6	4	2	3	3	18	
W-20	23/09	28/09	6	4	2	3	3	18	
W-21	30/09	05/10	6	4	2	3	3	18	
W-22	07/10	12/10	6	4	2	3	3	18	
W-23	14/10	19/10	6	4	2	3	3	18	
W-24	21/10	26/10	2	1	1	2	1	7	
W-25	28/10	02/11	Deepwali Vacations						
W-26	04/11	09/11	6	4	2	3	3	18	

Week No.	Week Duration		No. of Lecture						Total
	From	To	P	C		BIOLOGY			
				P/I	O	Bot	Zoo		
W-27	11/11	16/11	6	4	2	3	3	18	
W-28	18/11	23/11	6	4	2	3	3	18	
W-29	25/11	30/11	6	4	2	3	3	18	
W-30	02/12	07/12	6	4	2	3	3	18	
W-31	09/12	14/12	6	4	2	3	3	18	
W-32	16/12	21/12	6	4	2	3	3	18	
W-33	23/12	28/12	6	4	2	3	3	18	
W-34	30/12	04/01	6	4	2	3	3	18	
W-35	06/01	11/01	6	4	2	3	3	18	
W-36	13/01	18/01	5	4	2	3	3	17	
W-37	20/01	25/01	5	4	2	3	3	17	
W-38	27/01	01/02	5	4	2	4	0	15	

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		Biology		
			Physical/ Inorganic	Organic	Botany	Zoology								
1	PT-1	NEET	02-06-19 (Sunday)						Mathematical Tools, Rectilinear Motion	Atomic Structure & Periodic Table	IUPAC Nomenclature complete	Plant Growth & Development	Principles & processes of Biotechnology, Applications of Biotechnology	3
2	CT-1	AIIMS	23-06-19 (Sunday)						Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE	Atomic Structure, Periodic Table, Mole concept & Chemical Bonding	IUPAC Nomenclature, Structural Isomerism, Geometrical Isomerism	Plant growth & development + Living world	Biotechnology, Biology in Human Welfare (Microbes in Human welfare, Strategies for enhancement of food production)	3.5
3	PT-2	NEET	07-07-19 (Sunday)						Circular Motion, COM	Mole Concept & Chemical Bonding	Structural Isomerism & Stereoisomers complete	Transport in plants	Biology in Human Welfare (Microbes in Human welfare, Strategies for enhancement of food production), Locomotion and movement	3
4	CT-2	NEET	28-07-19 (Sunday)						CT-1 + Circular Motion, COM, RBD, SHM	CT-1 + Chemical Equilibrium, Ionic equilibrium upto properties of water	IUPAC Nomenclature, Structural Isomerism, Stereoisomerism, GOC (Electronic effect)	CT-1 + Transport in plants + Reproduction in Flowering Plants	CT-1 + Locomotion and movement, Biomolecules	3
5	PT-3	NEET	18-08-19 (Sunday)						Electrostatics	Chemical Equilibrium, Ionic Equilibrium & Coordination Compound	Application of electronic effects	Cell Biology - upto nucleus	Digestion and Absorption	3
6	CT-3	AIIMS	08-09-19 (Sunday)						CT-2 + Electrostatics, Gravitation, Current electricity	CT-2 + Coordination compound & Surface chemistry	CT-2+Application of electronic effects, Reaction Mechanism of Alkyl / Aryl halide	Cell biology Complete + Photosynthesis	Digestion and absorption+ Breathing and exchange of gases	3.5
7	PT-4	NEET	29-09-19 (Sunday)						Capacitor, EMF, EMI	Surface chemistry, p-Block (B-C Family) & Electrochemistry	Reaction Mechanism of Alkyl / Aryl halide, Alcohol ether	Photosynthesis + Respiration + Genetics (Principles of Inheritance & Variations up to codominance)	Body fluids and circulation+excretory products and their elimination	3
8	CT-4	NEET	03-11-19 (Sunday)						CT-3 + Capacitor, EMF, EMI, AC, GO (till Magnification, velocity of image)	CT-3 + p-Block (B-C Family), p-Block (N-O Family), Electrochemistry, Metallurgy	CT-3 + Reaction Mechanism Complete + Hydrocarbon	CT-3 + Respiration + Genetics complete	CT-3 + body fluids and circulation+excretory products and their elimination+evolution	3
9	PT-5	AIIMS	24-11-19 (Sunday)						GO, String wave, Sound wave	Solution & colligative, Halogen & Noble Gas, Metallurgy	Grignard reagent, Aromatic Hydrocarbon (Benzene)	Genetics - Only molecular basis of inheritance+ Biological Classification + Plant Kingdom upto Red Algae	Human health and disease+ reproduction in organisms+human reproduction (Upto female reproductive system)	3.5
10	CT-5	NEET	15-12-19 (Sunday)						CT-4 + String wave, Sound wave, Wave optics, Semi-conductor, EMW, KTG & Thermo	CT-4 + Solution & colligative properties, Thermodynamics	CT-4 + Grignard reagent, Aromatic Hydrocarbon (Benzene), Aromatic compound (Phenol Aniline, Nitrobenzene)	CT-4 + Biological Classification + Plant Kingdom	Digestion and absorption+ breathing & exchange of gases+ body fluids & circulation+excretory products and their elimination+ neural control & coordination + reproduction in organisms+human reproduction+ reproductive health+ evolution + human health and disease	3
11	PT-6	NEET	05-01-20 (Sunday)						Calorimetry & Thermal expansion, Heat transfer, FM, Surface tension	Chemical Kinetics, s-Block & Thermodynamics	Carbonyl Compound & Carboxylic acid and derivatives	Ecology	Chemical coordination and integration	3
12	CT-6	AIIMS	19-01-20 (Sunday)						CT-5 + Calorimetry & Thermal expansion, Heat Transfer, FM, Surface tension, Elasticity, Viscosity, Unit & Dimension, Error, POC	CT-5 + Chemical Kinetics, s-Block & d-Block & Equivalent concept	CT-5 + Carbonyl Compound & Carboxylic acid and derivatives	Cell Biology + Photosynthesis + Respiration + genetics +biological classification+plant kingdom+Plant morphology + Ecology	Digestion and absorption + breathing and exchange of gases + body fluids and circulation + excretory products and their elimination + neural control and coordination + chemical coordination and integration + reproduction in organisms + human reproduction + reproductive health + evolution + human health and disease + animal kingdom	3.5
13	A1OT-1	NEET	02-02-20 (Sunday)						Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	3
14	A1OT-2	AIIMS	16-02-20 (Sunday)						Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	3.5
15	FST-1	NEET	01-03-20 (Sunday)						Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	3
16	FST-2	NEET	05-03-20 (Thursday)						Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	3
17	FST-3	AIIMS	08-03-20 (Sunday)						Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	Full Syllabus (XI + XII)	3.5
Total Testing Hours														54

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.
3. Student can submit their request for re-evaluation in two working days after first display of result.

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
		PHYSICS	CHEMISTRY		BIOLOGY		PHYSICS				CHEMISTRY		BIOLOGY		PHYSICS	CHEMISTRY				BIOLOGY						
			P/I	O	BOT	ZOO					P/I	O	BOT	ZOO		P/I				O	BOT	ZOO				
1	W-1	3	1	1	1	1	7	15	W-15	3	2	2	1	1	9	29	W-29	3	2	1	3	2	11			
2	W-2	3	2	1	1	1	8	16	W-16	3	2	1	1	2	9	30	W-30	3	2	1	3	2	11			
3	W-3	3	2	2	1	2	10	17	W-17	3	2	1	2	1	9	31	W-31	3	3	1	2	1	10			
4	W-4	3	3	2	2	1	11	18	W-18	3	2	2	2	2	11	32	W-32	3	2	0	3	1	9			
5	W-5	3	3	1	2	3	12	19	W-19	3	2	2	2	4	13	33	W-33	3	2	1	2	4	12			
6	W-6	3	2	1	1	1	8	20	W-20	3	2	1	2	4	12	34	W-34	3	2	1	2	4	12			
7	W-7	3	2	1	1	2	9	21	W-21	3	3	1	2	4	13	35	W-35	3	1	1	2	4	11			
8	W-8	3	2	2	2	3	12	22	W-22	3	3	1	2	5	14	36	W-36	3	2	2	3	3	13			
9	W-9	3	2	1	2	3	11	23	W-23	3	3	1	2	3	12	37	W-37	3	4	3	4	3	17			
10	W-10	3	2	1	3	4	13	24	W-24	2	0	1	2	2	7	38	W-38	3	3	1	4	0	11			
11	W-11	3	4	1	3	1	12	25	W-25	Deepwali Vacations						Total Number of DPPs	110	83	45	85	91	414				
12	W-12	3	3	1	3	2	12	26	W-26	3	2	1	4	4	14											
13	W-13	3	3	1	3	3	13	27	W-27	3	2	1	3	3	12											
14	W-14	3	2	0	4	3	12	28	W-28	3	2	2	3	2	12											

RESONANCE EDUVENTURES LTD.

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