



COURSE PLANNER FOR STUDENTS CLASS-XII SAMBHAV (MF)

Target: AIIMS/NEET 2019

Medium: English | Hindi

COURSE CONCEPT

A Course which offers ample time of 1 year to become an expert in the curriculum of AIIMS/NEET. The course progresses with basic fundamental study; covering upon the syllabus of boards alongwith the preparation for AIIMS/NEET. 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.

Academic Session: 2018-19

TARGET*: AIIMS NEET

Course Commencement: 23.04.018 | Course Ends: 19.01.2019

RESONANCE TEACHING METHODOLOGY

Preparation for AIIMS/ NEET

Classroom Teaching

Daily Practice Problems (DPPs)

Study Material (Sheets/Modules)

Periodic Tests - AIIMS/ NEET Pattern

Doubt Classes

Preparation for Board Exam

Classroom Teaching & NCERT
Book Discussion

Study Material (Sheets/Modules)

Doubt Classes

TOTAL ACADEMIC HOURS

- ◆ **Course Duration:** 39 Weeks
- ◆ **Total Number of Lectures:** 645 (P:203 | C:221 | B:221)
- ◆ **Duration of one lecture:** 1.5 hrs = 90 minutes
- ◆ **Total Duration of Classroom Teaching:** 967.5 hrs
- ◆ **Total Duration of Testing Hours:** 74.5 hrs
- ◆ **Total Academic Hours in SAMBHAV Course:** 1042 hrs

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 AIIMS/NEET contains approximate 8-10 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 (AIIMS/ NEET/ Board).
- ◆ **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 AIIMS/NEET.

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 2018-19. The institute reserves the right to make changes in it in the interest of students.

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 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	Newtons Laws of Motion	7	23.04.18	PHYSICAL/INORGANIC				BOTANY			
2	Friction	5	01.05.18	1	Atomic Structure	8	23.04.18	1	Cell Biology	15	23.04.18
3	Work Power Energy (WPE)	6	07.05.18	2	Periodic table	5	07.05.18	2	Reproduction in Flowering plants	9	28.05.18
4	Circular Motion	5	21.05.18	3	Chemical Bonding	12	15.05.18	3	Genetics	18	18.06.18
5	Geometrical Optics	18	04.06.18	4	Thermodynamics	11	05.06.18	4	Application Biology	3	30.07.18
6	Electrostatics	18	25.06.18	5	Solid State	7	25.06.18	5	Ecology	20	06.08.18
7	Gravitation	3	16.07.18	6	Mole concept	6	05.07.18	6	Plant Physiology II	12	24.09.18
8	Current Electricity	9	19.07.18	7	Solution & Colligative Properties	8	17.07.18	7	Plant Morphology	9	22.10.18
9	Heat Transfer	4	30.07.18	8	Chemical Equilibrium	7	31.07.18	8	Plant anatomy	7	21.11.18
10	Capacitance	6	03.08.18	9	Ionic Equilibrium	10	13.08.18	9	Plant Physiology I	6	10.12.18
11	MEC & MFC or Current (EMF)	8	10.08.18	10	Electrochemistry	11	30.08.18	10	Living world	1	24.12.18
12	Electro Magnetic Induction (EMI)	6	23.08.18	11	Metallurgy	6	19.09.18	11	Biological Classification	4	25.12.18
13	Alternating Current (AC)	3	30.08.18	12	Chemical Kinetics	9	01.10.18	12	Plant Diversity	5	02.01.19
14	Atomic Physics	6	03.09.18	13	Coordination Compounds	9	16.10.18	ZOOLOGY			
15	Nuclear Physics	6	10.09.18	14	d-block Compounds	4	31.10.18	1	Digestion & Absorption	6	23.04.18
16	SHM	6	17.09.18	15	Surface Chemistry	6	19.11.18	2	Body Fluids & Circulation	6	07.05.18
17	String Waves	5	24.09.18	16	p-block (B-C family)	4	28.11.18	3	Reproduction in Organisms	2	21.05.18
18	Sound Waves	5	29.09.18	17	p-block (N-O family)	6	05.12.18	4	Human Reproduction	8	23.05.18
19	EMW	2	05.10.18	18	p-block (Halogen & Noble gases)	6	17.12.18	5	Reproductive Health	3	12.06.18
20	Wave Optics	4	08.10.18	19	Gaseous State	7	26.12.18	6	Evolution	9	19.06.18
21	Experiments & Error Analysis	2	12.10.18	20	s-block	2	08.01.19	7	BHW (Human Health & Disease)	11	10.07.18
22	Semiconductor Devices	4	15.10.18	21	Equivalent Concept & Redox Reaction	3	10.01.19	8	BHW (Animal Husbandry)	3	06.08.18
23	POC	2	19.10.18	22	Qualitative Analysis	2	16.01.19	9	BHW (Microbes in Human Welfare)	2	13.08.18
24	KTG & Thermodynamics	12	22.10.18	ORGANIC				10	Biotechnology (Principles & Processes)	3	20.08.18
25	Units & Dimensions	1	15.11.18	1	IUPAC Nomenclature	5	23.04.18	11	Biotechnology (Applications of Biotechnology)	7	27.08.18
26	Error Analysis	2	16.11.18	2	Structural Isomerism	2	08.05.18	12	Biomolecules	6	10.09.18
27	Center of Mass	6	19.11.18	3	POC	3	15.05.18	13	Excretory Products & Their Elimination	5	24.09.18
28	RBD	8	26.11.18	4	GOC (Electronic effect)	6	28.05.18	14	Locomotion and movement	4	03.10.18
29	Fluid Mechanics	5	05.12.18	5	Application of electronic effects	8	18.06.18	15	Neural Control & Coordination	7	15.10.18
30	Properties of Matter	5	11.12.18	6	Stereoisomers	8	16.07.18	16	Chemical coordination & Integration	3	30.10.18
31	Newtons Laws of Motion	7	17.12.18	7	Reaction Mechanism of Alkyl / Aryl halide	6	20.08.18	17	Animal Kingdom- including Protozoa	6	19.11.18
32	Friction	5	25.12.18	8	Reaction Mechanism of Alcohol ether	4	10.09.18	18	Structural Organisation in Animals	5	03.12.18
33	WPE	6	31.12.18	9	Chemical reaction of Hydrocarbon (Alkane/ Alkene/Alkyne)	6	24.09.18	19	Breathing and Exchange of Gases	4	12.12.18
34	Motion	6	14.01.19	10	Grignard reagent	2	15.10.18	20	Digestion & Absorption	6	24.12.18
Total No. of Lectures				Total No. of Lectures				Total No. of Lectures			
203				221				221			

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	23/4	28/4	6	4	2	3	3	18
W-2	30/4	5/5	6	4	2	3	3	18
W-3	7/5	12/5	6	4	2	3	3	18
W-4	14/5	19/5	6	4	2	3	3	18
W-5	21/5	26/5	5	4	2	3	3	17
W-6	28/5	2/6	6	4	2	3	3	18
W-7	4/6	9/6	6	4	2	3	3	18
W-8	11/6	16/6	6	4	2	3	3	18
W-9	18/6	23/6	6	4	2	3	3	18
W-10	25/6	30/6	6	4	2	3	3	18
W-11	2/7	7/7	6	4	2	3	3	18
W-12	9/7	14/7	6	4	2	3	3	18
W-13	16/7	21/7	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	23/7	28/7	6	4	2	3	3	18
W-15	30/7	4/8	6	4	2	3	3	18
W-16	6/8	11/8	5	4	2	3	3	17
W-17	13/8	18/8	4	3	1	2	2	12
W-18	20/8	25/8	6	4	2	3	3	18
W-19	27/8	1/9	6	4	2	3	3	18
W-20	3/9	8/9	6	4	2	3	3	18
W-21	10/9	15/9	6	4	2	3	3	18
W-22	17/9	22/9	6	4	2	3	3	18
W-23	24/9	29/9	6	4	2	3	3	18
W-24	1/10	6/10	6	4	2	3	3	18
W-25	8/10	13/10	6	4	2	3	3	18
W-26	15/10	20/10	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	22/10	27/10	6	4	2	3	3	18
W-28	29/10	3/11	6	4	2	3	3	18
W-29	5/11	10/11	Deepwali Vacations					
W-30	12/11	17/11	3	2	1	1	1	8
W-31	19/11	24/11	6	4	2	3	3	18
W-32	26/11	1/12	6	4	2	3	3	18
W-33	3/12	8/12	6	4	2	3	3	18
W-34	10/12	15/12	6	4	2	3	3	18
W-35	17/12	22/12	6	4	2	3	3	18
W-36	24/12	29/12	6	4	2	3	3	18
W-37	31/12	5/1	6	4	2	3	3	18
W-38	7/1	12/1	5	4	2	3	3	17
W-39	14/1	19/1	6	4	2	3	3	18

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			Testing Hours	
								Chemistry		Biology		
								Physical/ Inorganic	Organic	Botany		Zoology
1	PT-1	NEET	13-05-18 (Sunday)	17-05-18 (Thursday)	22-05-18 (Tuesday)	24-05-18 (Thursday)	NLM, Friction	Atomic Structure + Periodic table (Upto Electron gain Enthalpies)	IUPAC nomenclature, Structural isomerism	Cell Biology upto mitochondria	Digestion & Absorption	3
2	CT-1	NEET	03-06-18 (Sunday)	07-06-18 (Thursday)	12-06-18 (Tuesday)	14-06-18 (Thursday)	NLM, Friction, WPE, Circular Motion, COM	Atomic Structure + Periodic Table + Chemical bonding	IUPAC nomenclature, Structural isomerism, POC, Electronic effect (I, R)	Cell Biology (Complete)	Digestion & Absorption, Body fluids & Circulation, Reproduction in organisms	3
3	PT-2	AIIMS + BPT	24-06-18 (Sunday)	28-06-18 (Thursday)	03-07-18 (Tuesday)	05-07-18 (Thursday)	Geometrical Optics	Chemical Bonding + Thermodynamics	Application of Electronic effect, Stability of intermediate	Cell Biology + Reproduction in Flowering plants	Reproduction in organisms, Human reproduction, Reproductive Health	3.5+3
4	CT-2	NEET	15-07-18 (Sunday)	19-07-18 (Thursday)	24-07-18 (Tuesday)	26-07-18 (Thursday)	Geometrical Optics, Electrostatics	Chemical Bonding + Thermodynamics + Solid State + Mole concept	Application of Electronic effect, Stability of intermediate, Acid base, tautomer	Cell Biology + Reproduction in Flowering Plants + Genetic (up to mutation)	Reproduction in organisms, Human Reproduction, Reproductive Health, Evolution	3
5	PT-3	NEET	05-08-18 (Sunday)	09-08-18 (Thursday)	14-08-18 (Tuesday)	16-08-18 (Thursday)	Electrostatics, Gravitation, Current Electricity, Heat Transfer, Capacitance	Solution & Colligative Properties + Chemical Equilibrium (upto Reaction Quotient)	Stereoisomers (G, OI)	Genetics Complete	Evolution, Human health & Diseases	3
6	CT-3	AIIMS + BPT	26-08-18 (Sunday)	30-08-18 (Thursday)	04-09-18 (Tuesday)	06-09-18 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity, Heat Transfer, Capacitance, EMF	Solution & Colligative Properties + Chemical Equilibrium + Ionic Equilibrium (upto buffer solutions)	Stereoisomers (G, OI) & Reaction mechanism of Alkyl/Aryl halide (SN1, SN2)	Genetics + Plant Breeding + Ecology, Organism and Population	Class XII full syllabus (except Biotechnology)	3.5+3
7	PT-4	NEET	16-09-18 (Sunday)	20-09-18 (Thursday)	25-09-18 (Tuesday)	27-09-18 (Thursday)	EMF, EMI, AC, Atomic Physics	Ionic Equilibrium + Electrochemistry	Reaction Mechanism of Alkyl/Aryl halide (SN1, SN2) & Alcohol ether	Ecology - Organism and Population up to Water Pollution	Animal Husbandary, Microbes in human welfare, Biotechnology	3
8	CT-4	NEET	07-10-18 (Sunday)	11-10-18 (Thursday)	16-10-18 (Tuesday)	18-10-18 (Thursday)	CT-3 + EMI, AC, Atomic Physics, Nuclear Physics, SHM, String Waves, Sound Waves	Ionic Equilibrium + Electrochemistry + Metallurgy + Chemical Kinetics (upto Experimental Method to calculate order)	Reaction mechanism of Alkyl/Aryl halide (SN1, SN2) & Alcohol ether, Hydrocarbon (Chemical reaction of Alkane)	Ecology (Complete) + Plant Physiology II - Respiration up to kreb cycle	Class XII full syllabus, Biomolecules,	3
9	PT-5	(AIIMS) + BPT-3	28-10-18 (Sunday)	01-11-18 (Thursday)	06-11-18 (Tuesday)	08-11-18 (Thursday)	Nuclear Physics, SHM, String Waves, Sound Waves, Wave Optics, Error Analysis & Experiments	Chemical Kinetics + Coordination Compounds (upto Isomerism)	Chemical reaction of hydrocarbon (Alkane / Alkene / Alkyne), Aromatic hydrocarbon	Genetic Ecology + Plant Physiology II-Respiration, Photosynthesis upto Light Reaction	PT-5: Biomolecules, Excretion, Locomotion Movement, Neural Control and Coordination BPT-3; Full Class XII syllabus	3.5+3
10	CT-5	NEET	18-11-18 (Sunday)	22-11-18 (Thursday)	27-11-18 (Tuesday)	29-11-18 (Thursday)	CT-4 + Error Analysis & Experiments, Units & Dimension, Semiconductor Devices & POC, KTG & Thermodynamics	Electrochemistry + Metallurgy + Chemical Kinetics + Coordination compounds + d-block Compounds	Chemical reaction of hydrocarbon (Alkane / Alkene / Alkyne), Aromatic hydrocarbon (ESR)	Plant Physiology II (Complete)	Class XII full syllabus, Biomolecules, Excretion, Locomotion movement, Neural Control and Coordination	3
11	MBPT-P1	PHYSICS	20-11-18	20-11-18	18.12.2018	18.12.2018	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	MBPT-C1	CHEMISTRY	22-11-18	22-11-18	20.12.2018	20.12.2018	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
13	MBPT-B1	BIOLOGY	24-11-18	24-11-18	22.12.2018	22.12.2018	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
14	PT-6	NEET	09-12-18 (Sunday)	13-12-18 (Thursday)	18-12-18 (Tuesday)	20-12-18 (Thursday)	Units & Dimension, Semiconductor Devices & POC, KTG & Thermodynamics, RRD	Surface Chemistry + p-block (B-C family) + p-block (N-O family) (upto oxide of Nitrogen)	Chemical reaction of Phenol & Aniline	Plant Morphology + Families of flowering plants	Chemical Coordination & Integration, Animal Kingdom	3
15	CT-6	AIIMS	30-12-18 (Sunday)	03-01-19 (Thursday)	08-01-19 (Tuesday)	10-01-19 (Thursday)	CT-5 + RBD, Fluid Mechanics, Properties of Matter, NLM	CT-5 + Surface Chemistry + p-block	Chemical reaction of Phenol & Aniline, Nitrobenzene, Nucleophilic addition reaction of carbonyl compounds	Plant Morphology + Plant Anatomy + Plant: Physiology	Complete syllabus except Digestion & absorption, Body fluids & circulation	3.5+3
16	FST-1 (XI+XII Syllabus)	NEET	06-01-19 (Sunday)	10-01-19 (Thursday)	15-01-19 (Tuesday)	17-01-19 (Thursday)	FST-1 (XI+XII Syllabus) NEET	Full Syllabus	CT-5 + Carboxylic acid & derivatives	Full Syllabus	Complete syllabus	3
17	FST-2 (XI+XII Syllabus)	AIIMS	13-01-19 (Sunday)	17-01-19 (Thursday)	22-01-19 (Tuesday)	24-01-19 (Thursday)	FST-2 (XI+XII Syllabus) AIIMS	Full Syllabus	Full Syllabus	Full Syllabus	Complete syllabus	3.5+3
18	MBPT-P2	PHYSICS	15-01-19	15-01-19	13-02-19	13-02-19	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
19	MBPT-C2	CHEMISTRY	17-01-19	17-01-19	15-02-19	15-02-19	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
20	MBPT-B2	BIOLOGY	19-01-19	19-01-19	17-02-19	17-02-19	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
21	AIOI-1	NEET	31-01-19 (Sunday)	31-01-19 (Thursday)	05-02-19 (Tuesday)	07-02-19 (Thursday)	FST-1 (XI+XII Syllabus) NEET	Full Syllabus	Full Syllabus	Full Syllabus	Complete syllabus	3
22	AIOI-2	NEET	24-02-19	28-02-19	05-03-19	07-03-19	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Complete syllabus	3

Note: 1. Students are advised to refer their notice board for test timings. 2. There 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.

Total Testing Hours 74.5

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	2	2	2	2	2	10	14	W-14	2	2	2	2	2	10	27	W-27	2	2	2	2	3	11							
2	W-2	2	2	2	2	2	10	15	W-15	2	2	2	2	2	10	28	W-28	2	2	2	2	3	11							
3	W-3	2	2	2	2	2	10	16	W-16	2	2	0	2	2	8	29	W-29	DIWALI VACATIONS					0							
4	W-4	0	2	2	2	2	8	17	W-17	2	2	0	2	2	8	30	W-30	2	2	2	2	1	9							
5	W-5	2	2	2	2	2	10	18	W-18	2	2	0	2	2	8	31	W-31	2	2	2	2	2	10							
6	W-6	0	2	2	2	3	9	19	W-19	2	2	2	2	3	11	32	W-32	2	2	2	2	2	10							
7	W-7	2	2	2	2	3	11	20	W-20	2	2	2	2	3	11	33	W-33	2	2	2	2	2	10							
8	W-8	2	2	2	2	3	11	21	W-21	2	2	2	2	3	11	34	W-34	2	2	2	2	2	10							
9	W-9	2	2	2	2	3	11	22	W-22	2	2	2	2	3	11	35	W-35	2	2	2	2	2	10							
10	W-10	2	2	2	2	2	10	23	W-23	2	2	2	2	3	11	23	W-36	2	2	2	2	2	10							
11	W-11	2	2	2	2	2	10	24	W-24	2	2	2	2	3	11	24	W-37	2	2	2	2	2	10							
12	W-12	2	2	2	2	2	10	25	W-25	2	2	2	2	3	11	25	W-38	2	2	2	2	2	10							
13	W-13	2	2	2	2	2	10	26	W-26	2	2	2	2	3	11	26	W-39	2	0	0	2	2	6							
																								Total Number of DPPs	72	74	68	76	89	379

Resonance Eduventures Ltd.

PRE-MEDICAL DIVISION CAMPUS: CG Tower -2, [A-51 (A)], IPIA, Behind City Mall, Jhalawar Road, Kota (Raj.)-05 | **Contact:** 08505099972, 08505099973
Reg. & Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj) - 324005 | **CIN:** U80302RJ2007PLC024029

To Know more: sms **RESO** at **56677** | **E-mail:** contact@resonance.ac.in | **Website:** www.resonance.ac.in

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