



Academic Session: 2019-20

**TARGET:
AIIMS
NEET**

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COURSE PLANNER FOR STUDENTS CLASS-XI SAMARTH (MB)

Target: AIIMS/NEET 2021

Medium: English | Hindi

COURSE CONCEPT

A Course which offers ample time of 2 years to become an expert in the curriculum of AIIMS/NEET. The course progresses with basic fundamental study; covering upon the syllabus of boards along with 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.

Course Commencement: 24.06.2019 | Course Ends: 15.02.2020

RESONANCE TEACHING METHODOLOGY

Preparation for AIIMS/ NEET

Classroom Teaching

Daily Practice Problems (DPPs)

Study Material (Sheets/Modules)

Periodic Tests - AIIMS/ NEET 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 AIIMS/NEET 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 (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.

TOTAL ACADEMIC HOURS

- ♦ **Course Duration: 34 Weeks**
- ♦ **Total Number of Lectures: 520** (P:158 | C:169 | B:193)
- ♦ **Duration of one lecture: 1.5 hrs = 90 minutes**
- ♦ **Total Duration of Classroom Teaching: 780 hrs**
- ♦ **Total Duration of Testing Hours: 47 hrs**
- ♦ **Total Academic Hours in SAMARTH Course: 827 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]			
S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date
1	MATHEMATICAL TOOLS	16	24-06-19
2	UNITS & DIMENSIONS	3	28-06-19
3	VECTOR	6	06-07-19
4	RECTILINEAR MOTION	10	22-07-19
5	PROJECTILE MOTION	6	05-08-19
6	RELATIVE MOTION	5	13-08-19
7	NEWTON LAW OF MOTION (NLM)	13	20-08-19
8	FRICTION	5	06-09-19
9	WORK POWER ENERGY (WPE)	8	13-09-19
10	CIRCULAR MOTION	8	25-09-19
11	CENTRE OF MASS	10	07-10-19
12	RIGID BODY DYNAMICS (RBD)	12	18-10-19
13	SIMPLE HARMONIC MOTION (SHM)	10	14-11-19
14	STRING WAVES	8	28-11-19
15	SOUND WAVES	8	10-12-19
16	ERROR	5	24-12-19
17	KTG & THERMODYNAMICS	8	01-01-20
18	CALORIMETRY & THERMAL EXPANSION	5	15-01-20
19	FLUID MECHANICS	5	23-01-20
20	SURFACE TENSION	4	03-02-20
21	ELASTICITY AND VISCOSITY	4	10-02-20
Total No. of Lectures		158	

CHEMISTRY [C]			
S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date
PHYSICAL/INORGANIC			
1	MOLE CONCEPT	16	24-06-19
2	ATOMIC STRUCTURE	18	22-07-19
3	GASEOUS STATE	10	22-08-19
4	THERMODYNAMICS	18	10-09-19
5	CHEMICAL EQUILIBRIUM	11	04-11-19
6	IONIC EQUILIBRIUM	14	27-11-19
7	REDOX REACTIONS	4	23-12-19
8	HYDROGEN	2	30-12-19
9	S-BLOCK	4	01-01-20
ORGANIC			
10	IUPAC NOMENCLATURE	12	24-06-19
11	STRUCTURAL ISOMERISM	2	05-08-19
12	PERIODIC TABLE	6	12-08-19
13	BASIC INORGANIC NOMENCLATURE	2	02-09-19
14	CHEMICAL BONDING	23	09-09-19
15	ELECTRONIC EFFECTS	6	18-11-19
16	APPLICATION OF ELECTRONIC EFFECTS	10	09-12-19
17	HYDROCARBON	6	07-01-20
18	QUANTITATIVE ANALYSIS	1	28-01-20
19	P-BLOCK	4	03-02-20
Total No. of Lectures		169	

BIOLOGY [B]			
S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date
ZOOLOGY			
1	DIGESTION AND ABSORPTION	9	24-06-19
2	ANIMAL KINGDOM-GENERAL ACCOUNT & NON CHORDATES	15	15-07-19
3	ANIMAL KINGDOM-CHORDATES	9	19-08-19
4	BIOMOLECULES	9	09-09-19
5	BODY FLUIDS & CIRCULATION	9	30-09-19
6	EXCRETORY PRODUCTS & THEIR ELIMINATION	4	04-11-19
7	LOCOMOTION & MOVEMENT	5	12-11-19
8	NEURAL CONTROL AND COORDINATION	12	25-11-19
9	CHEMICAL COORDINATION & INTEGRATION	6	23-12-19
10	BREATHING & EXCHANGE OF GASES	6	06-01-20
11	STRUCTURAL ORGANISATION IN ANIMALS (A) ANIMAL TISSUES (B) ANIMAL MORPHOLOGY	6	20-01-20
12	NCERT REVIEW	6	03-02-20
BOTANY			
1	CELL BIOLOGY	18	24-06-19
2	PLANT DIVERSITY (BIOLOGICAL CLASSIFICATION)	9	05-08-19
3	PLANT KINGDOM	7	27-08-19
4	PLANT MORPHOLOGY	10	11-09-19
5	PLANT ANATOMY	10	07-10-19
6	PLANT PHYSIOLOGY-II (PHOTOSYNTHESIS)	9	11-11-19
7	PLANT PHYSIOLOGY-II (RESPIRATION)	8	02-12-19
8	PLANT GROWTH AND DEVELOPMENT	8	18-12-19
9	PLANT PHYSIOLOGY-I (TRANSPORT IN PLANTS)	10	07-01-20
10	LIVING WORLD	2	29-01-20
11	PLANT PHYSIOLOGY-I (MINERAL NUTRITION)	6	04-02-20
Total No. of Lectures		193	

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	24/06	29/06	6	4	2	3	3	18	
W-2	01/07	06/07	6	4	2	3	3	18	
W-3	08/07	13/07	6	4	2	3	3	18	
W-4	15/07	20/07	6	4	2	3	3	18	
W-5	22/07	27/07	6	4	2	3	3	18	
W-6	29/07	03/08	5	4	2	3	3	17	
W-7	05/08	10/08	5	4	2	3	3	17	
W-8	12/08	17/08	5	3	2	2	3	15	
W-9	19/08	24/08	5	4	2	3	3	17	
W-10	26/08	31/08	5	4	2	3	3	17	
W-11	02/09	07/09	5	4	2	3	3	17	
W-12	09/09	14/09	5	3	3	3	3	17	

Week No.	Week Duration		No. of Lecture						Total
			P	C		BIOLOGY			
	From	To		P/I	O	Bot	Zoo		
W-13	16/09	21/09	5	3	3	3	3	17	
W-14	23/09	28/09	5	3	3	3	3	17	
W-15	30/09	05/10	5	3	3	3	3	17	
W-16	07/10	12/10	6	3	2	3	3	17	
W-17	14/10	19/10	6	3	3	3	3	18	
W-18	21/10	26/10	2	1	1	1	0	5	
W-19	28/10	02/11	DIWALI VACATION						
W-20	04/11	09/11	5	3	3	3	3	17	
W-21	11/11	16/11	5	3	2	3	3	16	
W-22	18/11	23/11	5	3	2	3	3	16	
W-23	25/11	30/11	5	4	2	3	3	17	
W-24	02/12	07/12	5	4	2	3	3	17	

Week No.	Week Duration		No. of Lecture						Total
			P	C		BIOLOGY			
	From	To		P/I	O	Bot	Zoo		
W-25	09/12	14/12	4	4	2	3	3	16	
W-26	16/12	21/12	4	4	2	3	3	16	
W-27	23/12	28/12	4	4	2	3	3	16	
W-28	30/12	04/01	4	4	1	3	3	15	
W-29	06/01	11/01	4	2	2	3	3	14	
W-30	13/01	18/01	4	0	2	3	3	12	
W-31	20/01	25/01	4	0	2	3	3	12	
W-32	27/01	01/02	4	0	2	3	3	12	
W-33	03/02	08/02	4	0	2	3	3	12	
W-34	10/02	15/02	4	0	2	3	3	12	

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/Inorganic	Botany	Zoology	
1	PT-1	NEET	21-07-19 (Sunday)	Within 4 (Four) Days of Test Conduction	Within 4 (Four) Days of Test Conduction	Within 2 Weeks of Test Conduction	Mathematical Tools, Unit & Dimension, Vector	Mole Concept	IUPAC nomenclature (except functional groups), Introduction of Organic compounds	Cell Biology-upto Mitochondria	Digestion and Absorption	3
2	CT-1	NEET	11-08-19 (Sunday)				Mathematical Tools, Unit & Dimension, Rectilinear Motion	Mole Concept & Atomic Structure	Nomenclature of complete Organic compounds, common name & isomerism	Cell Biology (upto Nucleus & Chromosome)	Digestion & Absorption, Animal Kingdom (upto Platyhelminthes)	3
3	PT-2	AIIMS+ (BPT-1)	01-09-19 (Sunday)				Projectile Motion, Relative Motion & NLM (till Weighing machine, spring)	Gaseous State & Atomic Structure	Periodic table	Cell Biology (Complete) + Plant Diversity (Biological Classification upto Kingdom Monera)	Animal Kingdom (Non Chordates)	6.5
4	CT-2	NEET	22-09-19 (Sunday)				CT-1 + Projectile Motion, Relative Motion, NLM & Friction	CT-1 + Gaseous State, Thermodynamics	CT-1 & BIN, Periodic table, Chemical Bonding (formation of lewis dot structure)	Plant Diversity (Biological Classification Complete) + Plant Kingdom	CT-1 + Animal Kingdom	3
5	PT-3	NEET	13-10-19 (Sunday)				WPE, Circular motion & COM (till Linear momentum conservation)	Thermodynamics	Chemical Bonding (upto VSEPT, hybridisation)	Plant Kingdom + Plant Morphology (upto Leaves)	Biomolecules, Body Fluids And Circulation (blood)	3
6	CT-3	AIIMS+ (BPT-2)	10-11-19 (Sunday)				CT-2 + WPE, Circular motion, COM & RBD (till Rotation about fixed axis, Derivation of t = la)	CT-2 + Chemical Equilibrium	CT-2 + Chemical Bonding	Plant Kingdom + Plant Morphology (Upto Fruits)	CT-2 + Biomolecules, Body Fluids and Circulation	6.5
7	PT-4	NEET	01-12-19 (Sunday)				RBD & SHM	Thermodynamics & Chemical Equilibrium	Chemical Bonding, Electronic effect	Plant Morphology (Only families) + Plant Anatomy (Upto Xylem)	Excretory Products & their Elimination + locomotion and movement (Muscles)	3
8	CT-4	NEET	22-12-19 (Sunday)				CT-3 + RBD, SHM, String wave	CT-3 + Ionic Equilibrium	CT-3 + Electronic Effects & Applications	Plant Morphology + Plant Anatomy (Complete)	CT-3 + Excretory Products & their Elimination + locomotion and movement	3
9	PT-5	AIIMS+ (BPT-3)	12-01-20 (Sunday)				Sound wave, Error, KTG & Thermo (till Graphs, Cyclic process, efficiency)	Ionic Equilibrium, Redox Reaction, Hydrogen & s-Block	Electronic Effects & Applications	Plant Physiology-II (Photosynthesis + Respiration upto krebs cycle)	Neural Control and Co-ordination, Chemical Coordination & Integration	6.5
10	CT-5	NEET	02-02-20 (Sunday)				CT-4 + Sound wave, Error, KTG & Thermo, Calorimetry & Thermal expansion, FM	Full Syllabus	CT-4 + Hydrocarbon	Cell Biology + Plant Physiology-II- (Photosynthesis + Respiration) + Transport in Plants-upto Mechanism of Absorption of water by plants	CT-4 + Neural Control and Coordination, Chemical Coordination & Integration, breathing and exchange of gases	3
11	MT-1	NEET	16-02-20 (Sunday)				Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	MT-2	AIIMS	23-02-20 (Sunday)				Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3.5
Total Testing Hours										47		

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	2	0	2	1	8	13	W-13	3	2	1	2	3	11	25	W-25	2	3	1	1	1	8			
2	W-2	3	2	1	2	1	9	14	W-14	3	2	1	2	4	12	26	W-26	3	3	1	2	1	10			
3	W-3	2	2	1	2	1	8	15	W-15	2	2	1	2	1	8	27	W-27	3	3	2	1	1	10			
4	W-4	3	2	2	2	2	11	16	W-16	3	2	2	2	1	10	28	W-28	2	1	2	1	2	8			
5	W-5	3	2	2	2	2	11	17	W-17	3	2	2	2	1	10	29	W-29	3	1	2	0	3	9			
6	W-6	2	2	2	2	2	10	18	W-18	2	0	0	0	0	2	30	W-30	3	0	1	1	3	8			
7	W-7	3	2	2	2	2	11	19	W-19	DIWALI VACATIONS						31	W-31	2	0	1	1	3	7			
8	W-8	3	2	1	2	1	9	20	W-20	3	1	2	2	3	11	32	W-32	2	0	3	4	3	12			
9	W-9	2	2	1	2	1	8	21	W-21	3	1	2	1	1	8	33	W-33	2	0	1	1	0	4			
10	W-10	3	2	2	2	1	10	22	W-22	2	2	1	1	2	8	34	W-34	2	0	2	2	0	6			
11	W-11	3	2	2	2	1	10	23	W-23	3	2	1	0	1	7	Total No. of DPPs	86	53	47	53	53	292				
12	W-12	2	2	1	2	3	10	24	W-24	3	2	1	1	1	8											

RESONANCE EDUVENTURES LTD.

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