



Academic Session: 2018-19

**TARGET:  
AIIMS  
NEET**

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# COURSE PLANNER FOR STUDENTS CLASS-XI SAKSHAM (MA)

**Target: AIIMS/NEET 2020**

**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: 30.04.2018 | Course Ends: 07.01.2019**

### RESONANCE TEACHING METHODOLOGY

- Preparation for AIIMS/ NEET**  
Classroom Teaching
- Daily Practice Problems (DPPs)
- Study Material (Sheets/Modules)
- Periodic Tests - AIIMS/ NEET Pattern
- Doubt Classes

### 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.

### TOTAL ACADEMIC HOURS

- ♦ **Course Duration: 37 Weeks**
- ♦ **Total Number of Lectures: 504** (P:147 | C:163 | B:194)
- ♦ **Duration of one lecture: 1.5 hrs = 90 minutes**
- ♦ **Total Duration of Classroom Teaching: 756 hrs**
- ♦ **Total Duration of Testing Hours: 62.5 hrs**
- ♦ **Total Academic Hours in SAKSHAM Course: 819 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 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: 15<sup>th</sup> August, 2018 : One Day 2. Deepawali Holidays: From 5<sup>th</sup> November, 2018 (Monday) to 14<sup>th</sup> November, 2018 (Wednesday): 10 Days 3. Republic Day: 26<sup>th</sup> 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	Mathematical Tools	16	30.04.18	<b>PHYSICAL/INORGANIC</b>				<b>ZOOLOGY</b>			
2	Rectilinear Motion	10	28.05.18	1	Atomic Structure	16	30.04.18	1	Animal Kingdom	23	30.04.18
3	Projectile Motion	5	11.06.18	2	Mole Concept	13	11.06.18	2	Biomolecules	9	25.06.18
4	Relative Motion	5	18.06.18	3	Gaseous State	11	11.07.18	3	Digestion and Absorption	6	16.07.18
5	Newton Law of Motion (NLM)	9	25.06.18	4	Thermodynamics	15	13.08.18	4	Body Fluids & Circulation	8	30.07.18
6	Friction	5	10.07.18	5	Chemical Equilibrium	11	24.09.18	5	Excretory Products & their Elimination	7	20.08.18
7	Work Power Energy (WPE)	10	18.07.18	6	Ionic Equilibrium	14	22.10.18	6	Locomotion and movement	5	04.09.18
8	Circular Motion	7	06.08.18	7	Redox Reactions	8	12.12.18	7	Neural Control & Coordination	12	17.09.18
9	Centre of Mass	11	17.08.18	8	S-block	3	31.12.18	8	Chemical Coordination & Integration	6	15.10.18
10	Rigid Body Dynamics (RBD)	11	05.09.18	<b>ORGANIC</b>				9	Structural Organisation in Animals – (a) Animal Tissues (b) Animal Morphology	6	29.10.18
11	Simple Harmonic Motion (SHM)	8	25.09.18	9	IUPAC Nomenclature	12	30.04.18	10	Breathing & Exchange of Gases	6	26.11.18
12	Units & Dimensions	1	15.10.18	10	Basic Inorganic Nomenclature	2	11.06.18	11	NCERT Review	6	12.12.18
13	Error Analysis & Significant figures	1	16.10.18	11	Periodic Table	4	18.06.18	<b>BOTANY</b>			
14	KTG & Thermodynamics	12	17.10.18	12	Chemical Bonding	23	02.07.18	12	Cell Biology	18	30.04.18
15	Calorimetry & Thermal Expansion	6	31.10.18	13	GOC (Electronic Effects)	16	03.09.18	13	Plant Diversity (Biological Classification)	9	11.06.18
16	String Waves	9	20.11.18	14	Hydrocarbon	5	29.10.18	14	Plant Kingdom	7	02.07.18
17	Sound Waves	9	03.12.18	15	Aromatic Compound	3	26.11.18	15	Plant Morphology	13	17.07.18
18	Fluid Mechanics	5	18.12.18	16	POC	3	04.12.18	16	Plant Anatomy	12	20.08.18
19	Elasticity and Viscosity	2	26.12.18	17	P-block	4	17.12.18	17	Plant Physiology-II (Photosynthesis)	9	17.09.18
20	Surface Tension	5	28.12.18					18	Plant Physiology-II (Respiration)	8	09.10.18
<b>Total No. of Lectures</b>		<b>147</b>		<b>Total No. of Lectures</b>		<b>163</b>		<b>Total No. of Lectures</b>		<b>194</b>	

## 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	30/4	5/5	4	3	2	3	3	15
W-2	7/5	12/5	4	3	2	3	3	15
W-3	14/5	19/5	4	2	2	3	2	13
W-4	21/5	26/5	4	3	2	3	3	15
W-5	28/5	2/6	5	3	2	3	3	16
W-6	4/6	9/6	5	2	2	3	3	15
W-7	11/6	16/6	5	3	2	3	3	16
W-8	18/6	23/6	5	3	2	3	3	16
W-9	25/6	30/6	4	2	2	3	3	14
W-10	2/7	7/7	4	3	3	3	3	16
W-11	9/7	14/7	4	3	3	3	3	16
W-12	16/7	21/7	4	2	3	3	3	15
W-13	23/7	28/7	4	3	3	3	3	16

Week No.	Week Duration		No. of Lecture					Total
	From	To	P	C	BIOLOGY			
				P/I	O	Bot	Zoo	
W-14	30/7	4/8	4	3	3	3	3	16
W-15	6/8	11/8	4	2	3	3	3	15
W-16	13/8	18/8	4	2	2	2	2	12
W-17	20/8	25/8	4	3	3	3	3	16
W-18	27/8	1/9	4	2	2	3	3	14
W-19	3/9	8/9	4	3	2	3	3	15
W-20	10/9	15/9	4	3	2	3	3	15
W-21	17/9	22/9	4	2	2	3	3	14
W-22	24/9	29/9	4	3	2	3	3	15
W-23	1/10	6/10	4	3	2	3	3	15
W-24	8/10	13/10	4	2	2	2	3	13
W-25	15/10	20/10	4	3	2	3	3	15
W-26	22/10	27/10	5	3	2	3	3	16

Week No.	Week Duration		No. of Lecture					Total	
	From	To	P	C	BIOLOGY				
				P/I	O	Bot	Zoo		
W-27	29/10	3/11	5	2	2	3	3	15	
W-28	5/11	10/11	Deepwali Vacations						
W-29	12/11	17/11	2	1	1	2	0	6	
W-30	19/11	24/11	5	2	2	3	3	15	
W-31	26/11	1/12	5	3	2	3	3	16	
W-32	3/12	8/12	4	3	2	3	3	15	
W-33	10/12	15/12	4	2	2	3	3	14	
W-34	17/12	22/12	4	3	2	3	3	15	
W-35	24/12	29/12	5	3	2	3	3	16	
W-36	31/12	5/1	5	3	0	4	3	15	
W-37	7/1	12/1	0	0	0	3	0	3	

## PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	First Display (Voice Board) & Communication to 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	20-05-18 (Sunday)	24-05-18 (Thursday)	29-05-18 (Tuesday)	31-05-18 (Thursday)	Mathematical Tools (Till Integration)	Atomic Structure	IUPAC nomenclature (except functional groups), introduction of Organic compounds	Cell Biology-upto Mitochondria	Animal kingdom upto ctenophora	3
2	CT-1	NEET	10-06-18 (Sunday)	14-06-18 (Thursday)	19-06-18 (Tuesday)	21-06-18 (Thursday)	Mathematical Tools, Rectilinear Motion	Atomic Structure	Nomenclature of complete Organic compounds, common name	Cell Biology (Upto Nucleus & Chromosome)	Animal kingdom upto hemichordata	3
3	PT-2	AIIMS	01-07-18 (Sunday)	05-07-18 (Thursday)	10-07-18 (Tuesday)	12-07-18 (Thursday)	Rectilinear Motion, Projectile Motion Relative Motion, NLM Till FBD	Mole Concept	Basic Inorganic nomenclature, Periodic table and properties	Cell Biology (Complete) + Plant Diversity (Biological Classification upto Kingdom Monera)	Animal kingdom (Chordates) + Protozoa	3.5
4	CT-2	NEET	22-07-18 (Sunday)	26-07-18 (Thursday)	31-07-18 (Tuesday)	02-08-18 (Thursday)	All Above Test: Syllabus + Friction, WPE (Work Done by constant force)	Atomic Structure, Mole Concept & Gaseous State	PT-2 + VBT, Chemical bonding, formation of Lewis dot structure	Plant Diversity (Biological Classification Complete) + Plant Kingdom	Animal kingdom + biomolecules	3
5	PT-3	NEET	12-08-18 (Sunday)	16-08-18 (Thursday)	21-08-18 (Tuesday)	23-08-18 (Thursday)	Friction, WPE, Circular Motion (Till horizontal Circular Motion)	Gaseous State	VSEPR, Hybridisation	Plant Kingdom + Plant Morphology (Upto Leaves)	Digestion and Absorption	3
6	CT-3	(AIIMS) + BPT-1	02-09-18 (Sunday)	06-09-18 (Thursday)	11-09-18 (Tuesday)	13-09-18 (Thursday)	CT-2 + Circular Motion, COM (till Momentum Conservation)	Atomic Structure, Mole Concept & Gaseous State, Thermodynamics	Nomenclature of Organic compounds, VBT, MOT and hydrogen bonding, Structural isomerism	Plant Kingdom + Plant Morphology (upto Fruits)	All Above Test: Syllabus & body fluids and circulation	3.5+3
7	PT-4	NEET	23-09-18 (Sunday)	27-09-18 (Thursday)	02-10-18 (Tuesday)	04-10-18 (Thursday)	Circular Motion, COM, RBD (Upto Angular Momentum Conservation)	Thermodynamics	Inductive Effect, Resonance, Hyper Conjugation	Plant Morphology (Only families) + Plant Anatomy (upto Xylem)	Excretory Products and Their Elimination	3
8	CT-4	NEET	14-10-18 (Sunday)	18-10-18 (Thursday)	23-10-18 (Tuesday)	25-10-18 (Thursday)	All Above Test: Syllabus + RBD, SHM	Atomic Structure, Mole Concept & Gaseous State, Thermodynamics & Chemical Equilibrium	CT-3 + Inductive Effect, Resonance, Hyper Conjugation, Aromaticity, Application of Electronic Effect (upto acidic nature)	Plant Morphology + Plant Anatomy (Complete)	All Above Test: Syllabus & locomotion and movement	3
9	PT-5	AIIMS	04-11-18 (Sunday)	08-11-18 (Thursday)	13-11-18 (Tuesday)	15-11-18 (Thursday)	KTG & Thermodynamics, Units and Dimensions	Chemical Equilibrium & Ionic Equilibrium	Basic Strength Tautomerism, Hydrocarbon (Alkene)	Plant Physiology-II (Photosynthesis + Respiration upto Krebs cycle)	Neural control and coordination	3.5
10	CT-5	NEET	25-11-18 (Sunday)	29-11-18 (Thursday)	03-12-18 (Tuesday)	05-12-18 (Thursday)	CT-4 + KTG & Thermodynamics, Calorimetry & Thermal Expansion	CT-4 + Ionic Equilibrium	CT-4 + Basic Strength tautomerism, hydrocarbon (alkene), Hydrocarbon (Alkene)	Cell Biology + Plant Physiology-I (Photosynthesis + Respiration)	All Above Test: Syllabus & coordination, chemical coordination and integration	3
11	PT-6	NEET	16-12-18 (Sunday)	20-12-18 (Thursday)	25-12-18 (Tuesday)	27-12-18 (Thursday)	Thermal Expansion, String Waves, Sound Waves	Ionic Equilibrium	Hydrocarbon (Alkyne, Benzene), POC	Plant Physiology-II (Plant Growth and development) + Plant Physiology-I (Transport in plant - upto Mechanism of Absorption of water by plants)	Animal kingdom upto hemichordata	3
12	CT-6	(AIIMS) + BPT-2	06-01-19 (Sunday)	10-01-19 (Thursday)	15-01-19 (Tuesday)	17-01-19 (Thursday)	Complete Syllabus	CT-5 + Redox, s-Block	Aromaticity, application of electronic effect (upto acidic nature), Basic Strength tautomerism, hydrocarbon (alkene), Hydrocarbon (Alkyne, benzene), POC & P-block	PT- 6 + Living World	Complete Syllabus	3.5+3
13	FST	NEET	13-01-19 (Sunday)	17-01-19 (Thursday)	22-01-19 (Tuesday)	24-01-19 (Thursday)	Complete Syllabus	Complete Syllabus	Complete Syllabus	Complete Syllabus	Complete Syllabus	3
14	RPT-1	NEET	27-01-19 (Sunday)	31-01-19 (Thursday)	05-02-19 (Tuesday)	07-02-19 (Thursday)	1/3 of XI Syllabus	1/3 of XI Syllabus	1/3 of XI Syllabus	1/3 of XI Syllabus	1/3 of XI Syllabus	3
15	RPT-2	NEET	03-02-19 (Sunday)	07-02-19 (Thursday)	12-02-19 (Tuesday)	14-02-19 (Thursday)	Next 1/3 of XI Syllabus	Next 1/3 of XI Syllabus	Next 1/3 of XI Syllabus	Next 1/3 of XI Syllabus	Next 1/3 of XI Syllabus	3
16	RPT-3	NEET	10-02-19 (Sunday)	14-02-19 (Thursday)	19-02-19 (Tuesday)	21-02-19 (Thursday)	Remaining 1/3 of XI Syllabus	Remaining 1/3 of XI Syllabus	Remaining 1/3 of XI Syllabus	Remaining 1/3 of XI Syllabus	Remaining 1/3 of XI Syllabus	3
17	MT-1	NEET	17-02-19 (Sunday)	21-02-19 (Thursday)	26-02-19 (Tuesday)	28-02-19 (Thursday)	Complete Syllabus	Complete Syllabus	Complete Syllabus	Complete Syllabus	Complete Syllabus	3
18	MT-2	AIIMS	24-02-19 (Sunday)	28-02-19 (Thursday)	05-03-19 (Tuesday)	07-03-19 (Thursday)	Complete Syllabus	Complete Syllabus	Complete Syllabus	Complete Syllabus	Complete Syllabus	3.5

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 62.5**

## 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		No. of DPPs				PHYSICS	CHEMISTRY		BIOLOGY		No. of DPPs				PHYSICS	CHEMISTRY		BIOLOGY		No. of DPPs	
			P/I	O	BOT	ZOO						P/I	O	BOT	ZOO						P/I	O	BOT	ZOO		
1	W-1	3	2	1	2	2	10	14	W-14	3	2	2	2	2	11	27	W-27	2	1	2	1	1	7			
2	W-2	3	2	1	2	2	10	15	W-15	3	2	2	2	2	11	28	W-28	DIWALI VACATIONS								
3	W-3	3	1	1	2	2	9	16	W-16	3	1	1	-	1	6	29	W-29	3	1	-	1	2	7			
4	W-4	3	2	1	2	2	10	17	W-17	3	2	2	2	2	11	30	W-30	3	1	2	2	2	10			
5	W-5	3	2	1	2	2	10	18	W-18	3	1	1	1	2	8	31	W-31	3	2	-	1	2	8			
6	W-6	3	1	1	2	2	9	19	W-19	3	2	1	2	2	10	32	W-32	3	2	2	1	2	10			
7	W-7	3	2	1	2	2	10	20	W-20	3	2	1	1	2	9	33	W-33	3	1	1	1	2	8			
8	W-8	3	2	1	2	2	10	21	W-21	3	1	1	2	2	9	34	W-34	3	2	2	1	2	10			
9	W-9	3	2	1	2	2	10	22	W-22	3	2	1	1	2	9	35	W-35	3	2	2	1	2	10			
10	W-10	3	2	2	2	2	11	23	W-23	3	2	1	1	2	9	36	W-36	2	2	-	1	0	5			
11	W-11	3	2	2	2	2	11	24	W-24	3	1	1	1	2	8	37	W-37	-	-	-	1	0	1			
12	W-12	3	2	2	2	2	11	25	W-25	2	2	-	2	2	8	<b>Total No. of DPPs</b>		101	60	44	56	66	<b>327</b>			
13	W-13	3	2	2	2	2	11	26	W-26	2	2	2	2	2	10											

## Resonance Eduventures Ltd.

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