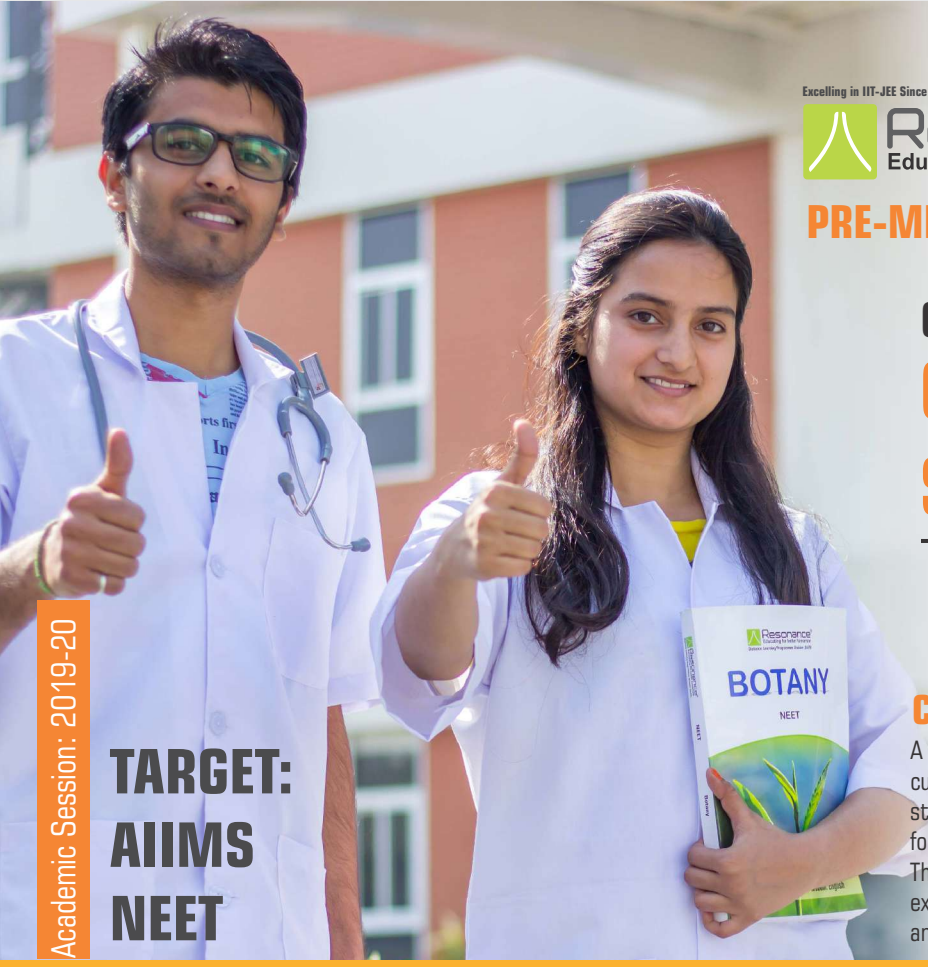

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PRE-MEDICAL DIVISION

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- EXPERTISE
- EXCELLENCE

Academic Session: 2019-20

TARGET: AIIMS NEET

COURSE PLANNER FOR STUDENTS

CLASS-XI

SAKSHAM (MA)

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: 29.04.2019 | Course Ends: 04.01.2020

RESONANCE TEACHING METHODOLOGY

Preparation for AIIMS/ NEET

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

TOTAL ACADEMIC HOURS

- **Course Duration: 36** Weeks
- **Total Number of Lectures: 525** (P:159 | C:174 | B:192)
- **Duration of one lecture:** 1.5 hrs = 90 minutes
- **Total Duration of Classroom Teaching:** 787.5 hrs
- **Total Duration of Testing Hours:** 59 hrs
- **Total Academic Hours in SAKSHAM Course:** 846.5 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 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.

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: 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 calender)

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	29-04-19
2	UNITS & DIMENSIONS	3	01-05-19
3	VECTOR	6	11-05-19
4	RECTILINEAR MOTION	10	27-05-19
5	PROJECTILE MOTION	6	12-06-19
6	RELATIVE MOTION	5	24-06-19
7	NEWTON LAW OF MOTION (NLM)	13	02-07-19
8	FRICTION	5	24-07-19
9	WORK POWER ENERGY (WPE)	8	01-08-19
10	CIRCULAR MOTION	8	16-08-19
11	CENTRE OF MASS	10	29-08-19
12	RIGID BODY DYNAMICS (RBD)	12	14-09-19
13	SIMPLE HARMONIC MOTION (SHM)	10	03-10-19
14	STRING WAVES	8	22-10-19
15	SOUND WAVES	8	14-11-19
16	ERROR ANALYSIS & SIGNIFICANT FIGURES	5	28-11-19
17	KTG & THERMODYNAMICS	8	05-12-19
18	CALORIMENTRY & THERMAL EXPANSION	5	14-12-19
19	FLUID MECHANICS	5	20-12-19
20	SURFACE TENSION	4	26-12-19
21	ELASTICITY AND VISCOSITY	4	31-12-19
Total No. of Lectures		159	

CHEMISTRY [C]

S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date
	PHYSICAL/INORGANIC		
1	MOLE CONCEPT	16	29-04-19
2	ATOMIC STRUCTURE	18	04-06-19
3	GASEOUS STATE	10	16-07-19
4	THERMODYNAMICS	17	20-08-19
5	CHEMICAL EQUILIBRIUM	11	07-10-19
6	IONIC EQUILIBRIUM	14	12-11-19
7	REDOX REACTIONS	4	16-12-19
8	HYDROGEN	2	24-12-19
9	S-BLOCK	4	30-12-19
	ORGANIC		
10	IUPAC NOMENCLATURE	12	29-04-18
11	STRUCTURAL ISOMERISM	2	10-06-18
12	PERIODIC TABLE	6	17-06-18
13	BASIC INORGANIC NOMENCLATURE	2	08-07-18
14	CHEMICAL BONDING	23	15-07-18
15	GOC (ELECTRONIC EFFECTS)	6	09-09-18
16	APPLICATION OF ELECTRONIC EFFECTS	10	30-09-18
17	HYDROCARBON	8	12-11-18
18	STRUCTURAL IDENTIFICAITON	2	10-12-18
19	QUANTITATIVE ANALYSIS	1	17-12-18
20	P-BLOCK	6	23-12-18
Total No. of Lectures		174	

BIOLOGY [B]

S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date
	ZOOLOGY		
1	DIGESTION AND ABSORPTION	9	29-04-19
2	ANIMAL KINGDOM	23	21-05-19
3	BIOMOLECULES	10	22-07-19
4	BODY FLUIDS & CIRCULATION	8	19-08-19
5	EXCRETORY PRODUCTS & THEIR ELIMINATION	4	09-09-19
6	LOCOMOTION AND MOVEMENT	6	17-09-19
7	NEURAL CONTROL AND COORDINATION	11	03-10-19
8	CHEMICAL COORDINATION & INTEGRATION	5	18-11-19
9	BREATHING AND EXCHANGE OF GASES	6	01-12-19
10	STRUCTURAL ORGANISATION IN ANIMALS – (A) ANIMAL TISSUES	8	16-12-19
	BOTANY		
1	CELL BIOLOGY	21	29-04-19
2	PLANT DIVERSITY (BIOLOGICAL CLASSIFICATION)	10	17-06-19
3	PLANT KINGDOM	8	09-07-19
4	PLANT MORPHOLOGY	12	29-07-19
5	PLANT ANATOMY	13	27-08-19
6	PLANT PHYSIOLOGY-II (PHOTOSYNTHESIS)	9	25-09-19
7	PLANT PHYSIOLOGY-II (RESPIRATION)	8	16-10-19
8	PLANT GROWTH & DEVELOPMENT	7	18-11-19
9	PLANT PHYSIOLOGY-I TRANSPORT IN PLANTS	8	03-12-19
10	LIVING WORLD	1	23-12-19
11	PLANT PHYSIOLOGY-I (MINERAL NUTRITION)	5	24-12-19
Total No. of Lectures		192	

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	29/04	04/05	6	3	2	3	3	17
W-2	06/05	11/05	6	3	2	3	3	17
W-3	13/05	18/05	6	3	2	3	2	16
W-4	20/05	25/05	6	3	2	3	3	17
W-5	27/05	01/06	5	3	2	3	3	16
W-6	03/06	08/06	4	3	2	3	2	14
W-7	10/06	15/06	4	3	2	3	3	15
W-8	17/06	22/06	4	3	2	3	3	15
W-9	24/06	29/06	4	3	2	3	2	14
W-10	01/07	06/07	4	3	2	3	3	15
W-11	08/07	13/07	4	3	2	3	3	15
W-12	15/07	20/07	4	2	3	3	2	14

Week No.	Week Duration		No. of Lecture					Total
	From	To	P	C		BIOLOGY		
				P/I	O	Bot	Zoo	
W-13	22/07	27/07	4	2	3	3	3	15
W-14	29/07	03/08	4	2	3	3	3	15
W-15	05/08	10/08	4	2	3	3	2	14
W-16	12/08	17/08	4	2	2	2	2	12
W-17	19/08	24/08	4	2	3	3	3	15
W-18	26/08	31/08	4	2	3	3	2	14
W-19	02/09	07/09	4	2	3	3	3	15
W-20	09/09	14/09	6	3	2	3	3	17
W-21	16/09	21/09	4	3	2	3	2	14
W-22	23/09	28/09	4	3	2	3	3	15
W-23	30/09	05/10	4	3	2	3	3	15
W-24	07/10	12/10	4	3	2	3	2	14

Week No.	Week Duration		No. of Lecture					Total
	From	To	P	C		BIOLOGY		
				P/I	O	Bot	Zoo	
W-25	14/10	19/10	4	3	2	3	3	15
W-26	21/10	26/10	2	1	1	1	0	5
W-27	28/10	02/11	Deepwali Vacations					
W-28	04/11	09/11	4	3	2	3	2	14
W-29	11/11	16/11	4	3	2	3	3	15
W-30	18/11	23/11	4	3	2	3	3	15
W-31	25/11	30/11	5	3	2	3	2	15
W-32	02/12	07/12	6	3	2	3	3	17
W-33	09/12	14/12	6	3	2	3	3	17
W-34	16/12	21/12	6	3	2	3	3	17
W-35	23/12	28/12	6	3	2	3	2	16
W-36	30/12	04/01	5	4	4	3	3	19

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	19-05-19 (Sunday)	Within 4 (Four) Days of Test Conduction	Within 4 (Four) Days of Test Conduction	Within 2 Weeks of Test Conduction	Mathematical Tools (Till integration)	Mole Concept	IUPAC nomenclature (except functional groups), Introduction of Organic compounds	Cell Biology-upto cell membrane	Digestion and Absorption	3
2	CT-1	NEET	09-06-19 (Sunday)				Mathematical Tools, Unit & dimension, Rectilinear Motion (till Graphs between various parameters)	Mole Concept + Atomic	Nomenclature of complete Organic Compounds, Common Name	Cell Biology (upto Centriole)	Digestion and absorption, animal kingdom upto porifera	3
3	PT-2	AIIMS + BPT-1	30-06-19 (Sunday)				Rectilinear Motion, Projectile Motion, Relative Motion (till Velocity of approach, separation)	Atomic	Structural Isomerism, Periodic table and properties	Cell Biology (Complete)	Animal Kingdom (Non Chordates)	3.5 + 3
4	CT-2	NEET	21-07-19 (Sunday)				Mathematical Tools, Unit & dimension, Rectilinear Motion, Projectile Motion, Relative Motion, NLM (Spring balance, spring and string cut problem)	Mole Concept, Gaseous State & Atomic Structure	Basic Inorganic nomenclature, Periodic table and properties, VBT, Chemical bonding, formation of lewis dot structure	Cell Biology + Biological Classification upto Protista	Digestion and Absorption, Animal Kingdom	3
5	PT-3	NEET	11-08-19 (Sunday)				NLM, Friction, WPE (till Kinetic energy & work energy Theorem)	Gaseous	VSEPRT, Hybridasation	Biological classification + Plant Kingdom	Biomolecules upto nucleic acids	3
6	CT-3	AIIMS + BPT-2	01-09-19 (Sunday)				Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion	Mole Concept, Gaseous State & Atomic Structure+Thermo	Nomenclature of Organic compounds, VBT, MOT and Structural isomerism	Cell biology+Biological classification + Plant Kingdom + Plant Morphology upto Inflorescence	Digestion and Absorption, Animal Kingdom, Biomolecules	3.5 + 3
7	PT-4	NEET	22-09-19 (Sunday)				WPE, Circular motion, COM, RBD (till Rotation about fixed axis, Derivation of $t = \sqrt{}$)	Thermodynamics	Intermolecular Forces, Inductive Effect, Resonance	Plant Morphology	Body fluids and circulation, Excretory products and their elimination	3
8	CT-4	NEET	13-10-19 (Sunday)				Mathematical Tools, Unit & Dimension, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, COM, RBD	Mole Concept, Gaseous State, Atomic Structure & Thermodynamics	Nomenclature of Organic compounds, VBT, MOT, and hydogen bonding, Structural isomerism, Inductive effect, resonance, hyper conjugation, aromaticity, application of electronic effect (upto intermediates stability)	Cell biology+Biological classification + Plant Kingdom + Plant Morphology +plant anatomy	Digestion and absorption, animal kingdom, biomolecules, body fluids and circulation, excretory products and their elimination, locomotion and movement	3
9	PT-5	AIIMS + BPT-3	10-11-19 (Sunday)				RBD, SHM, String wave (till Interference)	Thermodynamics & Chemical Equilibrium	Acidic Strength, Basic Strength	Plant Physiology-II (Photosynthesis) + Plant Anatomy	Locomotion and Movement, Nervous System	3.5 + 3
10	CT-5	NEET	01-12-19 (Sunday)				Mathematical Tools, Unit & Dimension, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, COM, RBD, SHM, String wave & Sound wave	Mole Concept, Gaseous State, Atomic Structure, Thermodynamics, Chemical Equilibrium & Ionic Equilibrium	Nomenclature of Organic compounds, VBT, MOT and hydogen bonding, Structural isomerism, Inductive effect, resonance, hyper conjugation, aromaticity, application of electronic effect (upto acidic nature), Basic Strength tautomerism, hydrocarbon (alkane), Hydrocarbon (Alkene)	Cell biology+Biological classification +Plant Kingdom+ Plant Morphology +plant anatomy+ photosynthesis +respiration	Digestion & absorption, animal kingdom, biomolecules, body fluids & circulation, excretory products & their elimination, locomotion & ystemmovement, excretory products and theirelimination, nervous system	3
11	PT-6	NEET	22-12-19 (Sunday)				Error, KTG Thermo, Calorimetry & Thermal expansion	Chemical Equilibrium & Ionic Equilibrium	Hydrocarbon (Alkyne, Benzene), Structural Identification	Plant Physiology-II (Respiration) + Plant Growth & Development	Breathing and exchange of gases	3
12	RPT-1	NEET	19-01-20 (Sunday)				KTG Thermo, Calorimetry & Thermal Expansion, Fluid Mechanics, Elasticity and Viscosity, Surface Tension.	Ionic Equilibrium, Redox Reaction, Hydrocarbon	P-Block , POC, Structural identification	Cell Bio., Bio. Class., Plant Kingdom	Biomolecules, Animal Kingdom,	3
13	RPT-2	NEET	02-02-20 (Sunday)				Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM & Friction, Work Power and Energy	Atomic Structure, Mole Concept, S-Block	IUPAC, GOC (Electronic Effects)	Plant Morphology, Plant anatomy	Digestion and absorption, Breathing & exchange of gases, Body fluids & Circulation, Excretory System	3
14	RPT-3	NEET	09-02-20 (Sunday)				Circular Motion, COM, RBD, SHM, String Waves and Sound Waves	Thermodynamics, Gaseous State	Periodic Table, Basic Inorganic Nomenclature, Chemical Bonding	Complete Plant Physiology, Living World	Locomotion and movement, Nervous System, Indocrine system, Str. Org. in Animals	3
15	MT-1	NEET	16-02-20 (Sunday)				Full Syllabus (XI)	Full Syllabus (XI)	Full Syllabus (XI)	Full Syllabus (XI)	Full Syllabus (XI)	3
16	MT-2	AIIMS	23-02-20 (Sunday)				Full Syllabus (XI)	Full Syllabus (XI)	Full Syllabus (XI)	Full Syllabus (XI)	Full Syllabus (XI)	3.5
											Total Testing Hours	**59**

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
		PHYSICS	CHEMISTRY		BIOLOGY		
			P/I	O	BOT	ZOO	
1	W-1	3	1	0	1	1	6
2	W-2	3	1	1	1	1	7
3	W-3	3	1	1	2	1	8
4	W-4	3	1	2	2	2	10
5	W-5	3	2	2	2	2	11
6	W-6	3	2	2	2	2	11
7	W-7	3	1	2	2	2	10
8	W-8	3	1	1	2	1	8
9	W-9	3	2	1	2	1	9
10	W-10	3	2	2	2	1	10
11	W-11	3	2	2	2	1	10
12	W-12	3	2	1	2	0	8
13	W-13	3	1	1	2	2	9
14	W-14	3	1	1	1	2	8
15	W-15	3	1	1	1	3	9
16	W-16	3	1	2	2	3	11
17	W-17	3	2	2	2	1	10
18	W-18	3	1	2	1	1	8
19	W-19	3	1	2	1	1	8
20	W-20	3	2	1	2	1	9
21	W-21	3	2	1	2	2	10
22	W-22	3	2	1	0	1	7
23	W-23	3	2	1	1	2	9
24	W-24	3	1	1	1	1	7
25	W-25	3	1	1	1	1	7
26	W-26	2	0	1	0	0	3
27	W-27	Deepwali Vacations					
28	W-28	3	2	2	1	1	9
29	W-29	3	2	1	1	1	8
30	W-30	3	2	1	1	1	8
31	W-31	3	2	1	1	2	9
32	W-32	3	2	1	1	3	10
33	W-33	3	2	1	1	3	10
34	W-34	3	2	2	1	2	10
35	W-35	3	1	1	2+2	2	11
36	W-36	3	2	2	3	2	12
Total No. of DPPs		104	53	47	53	53	**310**