



Academic Session: 2019-20

**TARGET:
NEET
AIIMS**

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PRE-MEDICAL DIVISION

**EXPERIENCE
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COURSE PLANNER FOR STUDENTS CLASS-XIII SAFAL (MRO2)

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: 23.07.2019 | 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: 32 Weeks**
- ♦ **Total Number of Lectures: 545** (P:180 | C:179 | B:186)
- ♦ **Duration of one lecture: 1.5 hrs = 90 minutes**
- ♦ **Total Duration of Classroom Teaching: 817.5 hrs**
- ♦ **Total Duration of Testing Hours: 44.5 hrs**
- ♦ **Total Academic Hours in SAFAL Course: 862 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	23-07-19	PHYSICAL/INORGANIC				ZOOLOGY			
2	RECTILINEAR MOTION	4	29-07-19	1	CHEMICAL EQUILIBRIUM	6	23-07-19	1	DIGESTION AND ABSORPTION	7	23-07-19
3	PROJECTILE MOTION	3	02-08-19	2	IONIC EQUILIBRIUM	10	31-07-19	2	BREATHING & EXCHANGE OF GASES	5	06-08-19
4	RELATIVE MOTION	3	06-08-19	3	COORDINATION COMPOUNDS	9	21-08-19	3	BODY FLUIDS AND CIRCULATION	6	20-08-19
5	NEWTON'S LAWS OF MOTION	5	09-08-19	4	SURFACE CHEMISTRY	5	05-09-19	4	EXCRETORY PRODUCTS & THEIR ELIMINATION	5	03-09-19
6	FRICTION	2	16-08-19	5	P-BLOCK (B-C FAMILY)	3	16-09-19	5	NEURAL CONTROL & COORDINATION	8	16-09-19
7	WORK POWER ENERGY (WPE)	5	19-08-19	6	ELECTROCHEMISTRY	9	19-09-19	6	CHEMICAL COORDINATION & INTEGRATION	5	02-10-19
8	CIRCULAR MOTION	5	24-08-19	7	P-BLOCK (N-O FAMILY)	4	07-10-19	7	REPRODUCTION IN ORGANISMS	1	15-10-19
9	CENTER OF MASS (COM)	5	30-08-19	8	METALLURGY	4	14-10-19	8	HUMAN REPRODUCTION	7	16-10-19
10	RIGID BODY DIMENSION (RBD)	8	05-09-19	9	SOLUTION & COLLAGATIVE PROPERTIES	6	21-10-19	9	REPRODUCTIVE HEALTH	2	18-11-19
11	SIMPLE HARMONIC MOTION (SHM)	8	14-09-19	10	P-BLOCK (HALOGEN & NOBLE GAS)	2	11-11-19	10	EVOLUTION	6	20-11-19
12	ELECTROSTATICS	15	24-09-19	11	THERMODYNAMICS	10	13-11-19	11	BIOLOGY IN HUMAN WELFARE (HEALTH & DISEASE)	7	04-12-19
13	GRAVITATION	3	11-10-19	12	CHEMICAL KINETICS	8	02-12-19	12	ANIMAL KINGDOM-INCLUDING PROTOZOA	7	23-12-19
14	CURRENT ELECTRICITY	8	15-10-19	13	S-BLOCK	2	16-12-19	13	STRUCTURAL ORGANISATION IN ANIMALS	8	07-01-20
15	HEAT TRANSFER	4	05-11-19	14	D-BLOCK	3	18-12-19	14	BIOTECHNOLOGY	8	21-01-20
16	CAPACITANCE	6	09-11-19	15	EQUIVALENT CONCEPT	4	24-12-19	15	BIOLOGY IN HUMAN WELFARE (MICROBES IN HUMAN WELFARE + ANIMAL HUSBANDRY)	2	10-02-20
17	EMF	8	16-11-19	16	SOLID STATE	5	31-12-19	16	LOCOMOTION AND MOVEMENT	3	12-02-20
18	EMI	6	26-11-19	17	GASEOUS STATE	3	08-01-20	17	BIOMOLECULES	4	19-02-20
19	ALTERNATIVE CURRENT (AC)	4	03-12-19	18	ATOMIC STRUCTURE	7	14-01-20	BOTANY			
20	STRING WAVES	6	07-12-19	19	PERIODIC TABLE	3	28-01-20	18	CELL BIOLOGY	10	23-07-19
21	SOUND WAVES	6	14-12-19	20	MOLE CONCEPT	6	03-02-20	19	REPRODUCTION IN FLOWERING PLANTS	11	13-08-19
22	WAVE OPTICS	6	21-12-19	21	CHEMICAL BONDING	10	12-02-20	20	GENETICS	17	09-09-19
23	SOLID & SEMICONDUCTOR DEVICE	5	28-12-19	ORGANIC				21	BIOLOGICAL CLASSIFICATION	5	16-10-19
24	EMW	1	03-01-20	22	STRUCTURAL ISOMERISM	2	23-07-19	22	PLANT KINGDOM	5	06-11-19
25	FLUID MECHANICS	4	04-01-20	23	STEREO ISOMERISM	9	29-07-19	23	PLANT MORPHOLOGY	7	19-11-19
26	SURFACE TENSION	3	09-01-20	24	GOC (ELECTRONIC EFFECT)	15	02-09-19	24	PLANT ANATOMY	7	04-12-19
27	ELASTICITY & VISCOSITY	4	13-01-20	25	REACTION MECHANISM OF ALKYL/ARYL HALIDE	4	04-11-19	25	ECOLOGY	12	23-12-19
28	UNITS & DIMENSIONS	2	17-01-20	26	REACTION MECHANISM OF ALCOHOL ETHER	4	18-11-19	26	PLANT PHYSIOLOGY-I (MINERAL NUTRITION)	2	20-01-20
29	ERROR ANALYSIS	2	20-01-10	27	HYDROCARBON (ALKANE / ALKENE / ALKYNE)	6	02-12-19	27	APPLICATION BIOLOGY	2	22-01-20
30	KTG & THERMODYNAMICS	6	22-01-20	28	AROMATIC COMPOUND	6	23-12-19	28	PLANT PHYSIOLOGY-II (PLANT GROWTH & DEVELOPMENT)	3	27-01-20
31	CALORIMETRY & THERMAL EXPANSION	4	29-01-20	29	CARBONYL CO. & CARBOXYLIC ACID & DERIVATIVES	6	13-01-20	29	LIVING WORLD	1	30-01-20
32	GEOMETRICAL OPTICS	15	03-02-19	30	NITROGEN CONTAINING COMPOUNDS	4	03-02-20	30	PLANT PHYSIOLOGY-I (CELL RESPIRATION & PHOTOSYNTHESIS)	8	03-02-20
33	MODERN PHYSICS	5	20-02-20	31	BIOMOLECULES & POLYMER	3	17-02-20	31	PLANT PHYSIOLOGY-I (TRANSPORT IN PLANTS)	5	18-02-20
34	NUCLEAR PHYSICS	4	26-02-20	32	GRIGNARD REAGENT	1	25-02-19				
Total No. of Lectures		180		Total No. of Lectures		179		Total No. of Lectures		186	

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	22/07	27/07	5	4	2	3	3	17	
W-2	29/07	03/08	6	4	2	3	3	18	
W-3	05/08	10/08	6	4	2	3	3	18	
W-4	12/08	17/08	5	2	1	3	2	13	
W-5	19/08	24/08	6	4	2	3	3	18	
W-6	26/08	31/08	6	4	2	3	3	18	
W-7	02/09	07/09	6	4	2	3	3	18	
W-8	09/09	14/09	6	4	2	3	3	18	
W-9	16/09	21/09	6	4	2	3	3	18	
W-10	23/09	28/09	6	4	2	3	3	18	
W-11	30/09	05/10	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-12	07/10	12/10	6	4	2	3	3	18	
W-13	14/10	19/10	6	4	2	3	3	18	
W-14	21/10	26/10	2	2	1	2	3	10	
W-15	28/10	02/11	Deepwali Vacations						
W-16	04/11	09/11	6	4	2	3	3	18	
W-17	11/11	16/11	6	4	2	3	3	18	
W-18	18/11	23/11	6	4	2	3	3	18	
W-19	25/11	30/11	6	4	2	3	3	18	
W-20	02/12	07/12	6	4	2	3	3	18	
W-21	09/12	14/12	6	4	2	3	3	18	
W-22	16/12	21/12	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-23	23/12	28/12	6	4	2	3	3	18	
W-24	30/12	04/01	6	4	2	3	3	18	
W-25	06/01	11/01	6	4	2	3	3	18	
W-26	13/01	18/01	6	4	2	3	3	18	
W-27	20/01	25/01	6	4	2	4	3	19	
W-28	27/01	01/02	6	4	2	4	3	19	
W-29	03/02	08/02	6	4	2	4	3	19	
W-30	10/02	15/02	6	4	2	3	3	18	
W-31	17/02	22/02	6	4	2	3	3	18	
W-32	24/02	28/02	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	Periodic Test Syllabus					Testing Hours	
							Physics	Chemistry		Biology		Biology	Testing Hours
								Physical/ Inorganic	Organic	Botany	Zoology		
1	PT-1	NEET	18-08-19 (Sunday)				Mathematical tools, Rectilinear Motion, Projectile motion, Relative Motion, Newton's law	Chemical & Ionic Equilibrium	Isomerism (Structural Isomerism), Stereo Isomerism upto Optical isomerism	Cell Biology - Upto Nucleus	Digestion and Absorption	3	
2	CT-1	AIIMS	08-09-19 (Sunday)				Mathematical tools, Rectilinear Motion, Projectile motion, Relative Motion, NLM, Friction, WPE, Circular Motion, COM	Chemical Equilibrium, Ionic Equilibrium, Coordination compound	Isomerism (Structural Isomerism), Stereo Isomerism, GOC (Electronic effect) upto Resonance	Cell Biology complete, Reproduction in Flowering plants	Digestion and Absorption, Breathing and exchange of gases	3.5	
3	PT-2	NEET	29-09-19 (Sunday)				RBD, SHM, Electrostatics (till Electric field due to disc)	Ionic Equilibrium, Coordination Compound, Surface, Boron & Carbon Family, Electro Chemistry upto (ECS)	GOC (Electronic effect), Application of m effect	Genetics (Principles of Inheritance & Variations up to codominance)	Body fluids and circulation, Excretory products and their elimination	3	
4	CT-2	NEET	03-11-19 (Sunday)				CT-1 + RBD, SHM, Electrostatics, Gravitation, Current Electricity (upto KCL & KVL)	Coordination Compound, Surface chemistry, B & C Family, Electrochemistry, N & O Family & Metallurgy	Isomerism (Structural Isomerism), Stereo Isomerism, GOC (Electronic effect)	CT-1 + Genetics	CT-1 + Body fluids and circulation, Excretory products and their elimination, Neural control and coordination	3	
5	PT-3	AIIMS	24-11-19 (Sunday)				Current Electricity, Heat Transfer; Capacitor; EMF (upto Helical path)	Metallurgy, N & O Family, Solution & colligative properties	Reaction Mechanism of Alkyl / Aryl halide	Genetics-Only molecular basis of inheritance, Biological Classification & Plant Kingdom upto Red Algae	Chemical coordination and integration, Reproduction in organisms, Human reproduction (upto Female reproductive system)	3.5	
6	CT-3	NEET	15-12-19 (Sunday)			Within 2 Weeks of Test Conduction	CT-2 + Current Electricity, Heat Transfer; Capacitor; EMF; EMI, AC, String wave	B & C Family, Electrochemistry, N & O Family, Metallurgy, Helogen & Nobel gases, Solution & Colligative properties, Thermodynamics	Reaction Mechanism complete, Hydrocarbon (Alkane)	CT-2 + Biological classification, Plant Kingdom, Plant Morphology upto Fruit	CT-2 + Chemical coordination and integration, Reproduction in organisms, Human reproduction, Reproductive health, Evolution	3	
7	PT-4	NEET	05-12-19 (Sunday)				Sound wave, Wave optics, Semi-conductor, EMW	Thermodynamics, Chemical Kinetics and s-Block	Complete hydrocarbon and Aromatic compound (Electrophilic substitution reactions)	Plant morphology, Plant Anatomy, Ecology (Organism and Population upto Ecological Adaptations)	Human health and disease	3	
8	CT-4	AIIMS	19-01-20 (Sunday)				CT-3 + Sound wave, wave optics, Semi-conductor, EMW, FM, Surface tension, Elasticity, Viscosity	Chemical Kinetics, s & d Block, Equivalent concept, Solid state	Reaction Mechanism complete, Hydrocarbon, Aromatic Compounds	CT-3 + Plant Anatomy, Ecology (Organism and Population + Ecosystem + Environmental Issues	CT-3 + Human health and disease, Animal kingdom	3.5	
9	AJOT-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	
10	PT-5	NEET	09-02-20 (Sunday)				Unit dimension, Error, KTG Thermo, Calorimetry & Thermal expansion	Gaseous State, Atomic Structure & Periodic table	Carbonyl Compound & Carboxylic acid and derivatives	Ecology, Mineral nutrition, Plant growth & development, Living World	Animal kingdom, Structural organisation in animals, Biotechnology	3	
11	AJOT-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	
12	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	
13	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	
14	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											44.5		

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

Note: 1. Students are advised to refer their notice board for test timings.
2. 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	1	4	1	11	12	W-12	4	4	1	2	2	13	23	W-23	3	2	1	2	4	12			
2	W-2	4	4	1	4	2	15	13	W-13	3	3	2	3	2	13	24	W-24	4	3	2	3	4	16			
3	W-3	4	2	1	4	3	14	14	W-14	4	1	0	2	3	10	25	W-25	4	4	1	3	4	16			
4	W-4	3	2	0	1	3	9	15	W-15	Deepawali Vacation						26	W-26	3	2	1	3	3	12			
5	W-5	4	4	2	2	1	13	16	W-16	4	3	1	5	3	16	27	W-27	4	2	2	5	3	16			
6	W-6	4	2	2	2	2	12	17	W-17	3	3	1	4	2	13	28	W-28	4	3	2	7	3	19			
7	W-7	3	2	1	2	1	9	18	W-18	4	3	2	2	4	15	29	W-29	3	3	1	3	1	11			
8	W-8	4	2	1	2	2	11	19	W-19	4	3	2	2	3	14	30	W-30	4	4	1	2	7	18			
9	W-9	4	2	1	2	2	11	20	W-20	3	2	1	4	3	13	31	W-31	4	3	2	1	5	15			
10	W-10	3	3	1	2	2	11	21	W-21	4	2	1	2	5	14	32	W-32	3	3	2	1	5	14			
11	W-11	4	3	1	2	1	11	22	W-22	4	2	1	2	5	14	Total Number of DPPs	113	83	39	85	91	411				

RESONANCE EDUVENTURES LTD.

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