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Academic Session: 2019-20

**TARGET:  
NEET  
AIIMS**

# COURSE PLANNER FOR STUDENTS CLASS-XIII SAFAL (MRO3)

**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: 20.08.2019 | 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: 28** Weeks
- ♦ **Total Number of Lectures: 482** (P:158 | C:158 | B:166)
- ♦ **Duration of one lecture: 1.5 hrs = 90 minutes**
- ♦ **Total Duration of Classroom Teaching: 723 hrs**
- ♦ **Total Duration of Testing Hours: 41 hrs**
- ♦ **Total Academic Hours in SAFAL Course: 764 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: 15<sup>th</sup> August, 2019 : One Day 2. Deepawali Holidays: From 24<sup>th</sup> October, 2019 (Thursday) to 02<sup>nd</sup> November, 2019 (Wednesday): 09 Days 3. Republic Day: 26<sup>th</sup> 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	NUCLEAR PHYSICS	6	20-08-19	<b>PHYSICAL/INORGANIC</b>				<b>ZOOLOGY</b>			
2	MATHEMATICAL TOOLS	4	26-08-19	1	CHEMICAL BONDING	10	20-08-19	1	BODY FLUIDS AND CIRCULATION	6	20-08-19
3	RECTILINEAR MOTION	3	30-08-19	2	CHEMICAL EQUILIBRIUM	6	04-09-19	2	DIGESTION AND ABSORPTION	6	02-09-19
4	PROJECTILE MOTION	2	03-09-19	3	IONIC EQUILIBRIUM	10	16-09-19	3	BIOLOGY IN HUMAN WELFARE	5	16-09-19
5	RELATIVE MOTION	1	05-09-19	4	COORDINATION COMPOUNDS	8	02-10-19	4	EXCRETORY PROD. & THEIR ELIMINATION	4	25-09-19
6	NEWTON'S LAW	5	06-09-19	5	SURFACE CHEMISTRY	4	16-10-19	5	CHEMICAL COORD. & INTEGRATION	5	07-10-19
7	FRICTION	1	12-09-19	6	P-BLOCK (B-C FAMILY)	3	04-11-19	6	REPRODUCTION IN ORGANISMS	1	16-10-19
8	WORK POWER ENERGY	5	13-09-19	7	ELECTROCHEMISTRY	10	07-11-19	7	HUMAN REPRODUCTION	8	21-10-19
9	CIRCULAR MOTION	6	19-09-19	8	P-BLOCK (N-O FAMILY)	5	26-11-19	8	REPRODUCTIVE HEALTH	2	18-11-19
10	CENTRE OF MASS	5	26-09-19	9	METALLURGY	4	04-12-19	9	EVOLUTION	6	20-11-19
11	RIGID BODY DYNAMICS	6	02-10-19	10	SOLUTION & COLLAGATIVE PROPERTIES	6	11-12-19	10	BIOLOGY IN HUMAN WELFARE	7	04-12-19
12	SIMPLE HARMONIC MOTION	6	09-10-19	11	P-BLOCK (HALOGEN & NOBLE GAS)	2	23-12-19	11	ANIMAL KINGDOM-INCL. PROTOZOA	7	23-12-19
13	ELECTROSTATICS	14	16-10-19	12	THERMODYNAMICS	10	25-12-19	12	STRUCTURAL ORG. IN ANIMALS	5	07-01-20
14	GRAVITATION	3	13-11-19	13	CHEMICAL KINETICS	6	14-01-20	13	BIOTECHNOLOGY	5	20-01-20
15	CURRENT ELECTRICITY	6	16-11-19	14	S-BLOCK	2	23-01-20	14	BIOMOLECULES	4	29-01-20
16	CAPACITANCE	6	23-11-19	15	D-BLOCK	3	28-01-20	15	NEURAL CONTROL AND COORDINATION	5	10-02-20
17	ELECTROMAGNETIC FORCE	7	30-11-19	16	SOLID STATE	4	03-02-20	16	LOCOMOTION AND MOVEMENT	4	19-02-20
18	ELECTROMAGNETIC INDUCTION	6	09-12-19	17	GASEOUSE STATE	3	10-02-20	17	BREATHING AND EXCHANGE OF GASES	4	26-02-20
19	ALTERNATING CURRENT	3	16-12-19	18	ATOMIC STRUCTURE	3	13-02-20	<b>BOTANY</b>			
20	GEOMETRICAL OPTICS	13	19-12-19	19	PERIODIC TABLE	2	19-02-20	18	CELL BIOLOGY	11	20-08-19
21	STRING WAVE	6	03-01-20	20	MOLE CONCEPT	3	24-02-20	19	GENETICS	14	11-09-19
22	SOUND WAVE	6	10-01-20	21	EQUIVALENT CONCEPT	1	27-02-20	20	BIOLOGICAL CLASSIFICATION	5	15-10-19
23	WAVE OPTICS	4	17-01-20	<b>ORGANIC</b>				21	PLANT KINGDOM	5	05-11-19
24	SEMI-CONDUCTOR	4	22-01-20	22	ISOMERISM	8	20-08-19	22	ECOLOGY	13	18-11-19
25	ELECTROMAGNETIC WAVE	1	27-01-20	23	GOC (ELECTRONIC EFFECT)	15	16-09-19	23	PLANT PHYSIOLOGY-II	10	17-12-19
26	KTG & THERMO	5	28-01-20	24	REACTION MECH. OF ALKYL/ARYL HALIDE	8	18-11-19	24	PLANT MORPHOLOGY	7	08-01-20
27	CALORIMETRY & THERMAL EXPANSION	2	03-02-20	25	HYDROCARBON	6	16-12-19	25	PLANT ANATOMY	3	27-01-20
28	HEAT TRANSFER	2	05-02-20	26	AROMATIC COMPOUNDS	4	06-01-20	26	PLANT PHYSIOLOGY-I	5	03-02-20
29	POC	1	07-02-20	27	CARBONYL COMPOUND & CARBOXYLIC ACID & DERIVATIVES	6	20-01-20	27	APPLICATION BIOLOGY	2	12-02-20
30	FM	3	08-02-20	28	NITROGEN CONTAINING COMPOUNDS	3	10-02-20	28	LIVING WORLD	2	18-02-20
31	SURFACE TENSION	3	12-02-20	29	POLYMER	1	18-02-20	29	REPRODUCTION IN FLOWERING PLANTS	5	20-02-20
32	ELASTICITY & VISCOSITY	4	15-02-20	30	BIOMOLECULES	2	24-02-20				
33	UNIT DIMENSION	1	20-02-20								
34	ERROR	2	21-02-20								
35	MODERN PHYSICS	6	24-02-20								
<b>Total No. of Lectures</b>		<b>158</b>		<b>Total No. of Lectures</b>		<b>158</b>		<b>Total No. of Lectures</b>		<b>166</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	19/08	24/08	6	4	2	3	3	18
W-2	26/08	31/08	6	4	2	3	3	18
W-3	02/09	07/09	6	4	2	3	3	18
W-4	09/09	14/09	6	4	2	3	3	18
W-5	16/09	21/09	6	4	2	3	3	18
W-6	23/09	28/09	6	4	2	3	3	18
W-7	30/09	05/10	6	4	2	3	3	18
W-8	07/10	12/10	6	4	2	3	3	18
W-9	14/10	19/10	6	4	2	3	3	18
W-10	21/10	22/10	2	2	1	2	2	9

Week No.	Week Duration		No. of Lecture					Total
	From	To	P	C		BIOLOGY		
				P/I	O	Bot	Zoo	
W-11	23/10	02/11	Deepwali Vacations					
W-12	04/11	09/11	6	4	2	3	3	18
W-13	11/11	16/11	6	4	2	3	3	18
W-14	18/11	23/11	6	4	2	3	3	18
W-15	25/11	30/11	6	4	2	3	3	18
W-16	02/12	07/12	6	4	2	3	3	18
W-17	09/12	14/12	6	4	2	3	3	18
W-18	16/12	21/12	6	4	2	3	3	18
W-19	23/12	28/12	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-20	30/12	04/01	6	4	2	3	3	18
W-21	06/01	11/01	6	4	2	3	3	18
W-22	13/01	18/01	6	4	2	3	3	18
W-23	20/01	25/01	6	4	2	3	3	18
W-24	27/01	01/02	6	4	2	3	3	18
W-25	03/02	08/02	6	4	2	3	3	18
W-26	10/02	15/02	6	4	2	3	3	18
W-27	17/02	22/02	6	4	2	4	3	19
W-28	24/02	29/02	6	4	2	4	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	Physics			Chemistry			Periodic Test Syllabus			Testing Hours
							Physics			Chemistry			Biology			
							Physical/ Inorganic	Organic	Zoology	Physical/ Inorganic	Organic	Botany	Physical/ Inorganic	Organic	Zoology	
1	PT-1	NEET	08-09-19 (Sunday)				Nuclear physics, Mathematical tools, Rectilinear motion, Projectile motion, Relative motion	Chemical Bonding	Isomerism (Structural Isomerism, Stereo Isomerism)	Cell Biology (upto Endoplasmic Reticulum (E.R.))	Body fluids and Circulation	3				
2	CT-1	NEET	29-09-19 (Sunday)				Nuclear physics; Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, WPE, Circular motion	Chemical Bonding, Chemical Equilibrium & Ionic Equilibrium	Isomerism (Structural Isomerism, Stereo Isomerism), GOC (Electronic effect upto Resonance)	Cell Biology Complete, Genetics (upto Polygenic inheritance)	Body fluids and Circulation + Digestion and Absorption + Biology in Human welfare (strategies for enhancement of food production + strategies for enhancement of food production)	3				
3	PT-2	AIIMS	03-11-19 (Sunday)				COM, RBD, SHM, Electrostatics (till Electric potential)	Ionic Equilibrium & Coordination compound	GOC (Electronic effect upto Acidic Strength of organic compounds)	Genetics (Upto Genetic Code)	Excretory products & their Elimination + Chemical Coordination & Integration	3.5				
4	CT-2	NEET	24-11-19 (Sunday)				CT-1 + COM, RBD, SHM, Electrostatics, Gravitation, Current electricity	CT-1 + Coordination compound, Surface chemistry, Boron-Carbon Family & Electrochemistry	Isomerism (Structural Isomerism, Stereo Isomerism), GOC (Electronic effect), Reaction Mechanism of Alkyl / Aryl halide upto Nucleophilic Substitution Reaction	Genetics (Complete) + Biological Classification + Plant Kingdom (upto Red Algae)	CT-1 + Excretory products & their Elimination + Chemical Coordination + Integration + Human Reproduction	3				
5	PT-3	NEET	15-12-19 (Sunday)				Capacitance, EMF, EMI	Electrochemistry, p-Block (B, C, N & O-Family)	Reaction Mechanism of Alkyl / Aryl halide, Reaction Mechanism of Alcohol/ether	Plant Kingdom, Ecology-Organisms and Populations + Ecosystem	Human reproduction + Reproductive Health + Evolution	3				
6	CT-3	AIIMS	05-01-20 (Sunday)				CT-2 + Capacitance, EMF, EMI, AC, GO	CT-2 + p-Block complete, Metallurgy, Solution & Colligative properties	CT-2 + Hydrocarbon	Biological Classification (Complete) + Plant Kingdom + Ecology - upto Environmental Issues	Reproductive Health + Evolution + Human health and disease	3.5				
7	PT-4	NEET	19-01-20 (Sunday)				String wave, Sound wave	Metallurgy, Solution & Colligative properties, p-block (Halogen & Noble gas) and Thermodynamics	Hydrocarbon, Aromatic Compounds upto Phenol	Ecology (Complete), Plant Physiology-II - Photosynthesis, Respiration	Human health and disease + Animal kingdom	3				
8	AIoT-1	NEET	02-02-20 (Sunday)				Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3				
9	CT-4	NEET	09-02-20 (Sunday)				CT-3 + String wave, Sound wave, Wave optics, Semi-conductor, EMI, KTG & Thermo, Calorimetry & thermal expansion, Heat Transfer, POC	CT-3 + Thermodynamics, Chemical Kinetics, s-Block, d-Block	CT-3 + Carbonyl Compound & Carboxylic acid and derivatives	Cell Biology (repeat), Ecology (Complete), Plant Physiology-II (Complete) + Plant Morphology	CT-3 + Animal kingdom + Structural organization in animals + Biotechnology	3				
10	AIoT-2	AIIMS	16-02-20 (Sunday)				Full Syllabus (XI + XII)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3.5				
11	FST-1	NEET	01-03-20 (Sunday)				Full Syllabus (XI + XII)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3				
12	FST-2	NEET	05-03-20 (Thursday)				Full Syllabus (XI + XII)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3				
13	FST-3	AIIMS	08-03-20 (Sunday)				Full Syllabus (XI + XII)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3.5				
													<b>Total Testing Hours</b>	<b>41</b>		

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	3	1	2	1	10	11	W-11	Deepawali Vacation					20	W-20	3	2	1	2	4	12	
2	W-2	3	3	2	2	2	12	12	W-12	3	2	1	4	3	0	21	W-21	3	3	2	2	6	12
3	W-3	3	3	2	3	3	14	13	W-13	3	3	1	3	4	13	22	W-22	3	4	2	3	4	16
4	W-4	3	3	2	3	3	14	14	W-14	3	3	1	3	3	14	23	W-23	3	2	1	3	4	16
5	W-5	3	3	1	5	2	14	15	W-15	3	2	1	3	4	13	24	W-24	3	3	2	5	5	13
6	W-6	3	3	1	3	3	13	16	W-16	3	3	2	3	5	13	25	W-25	3	4	3	4	5	18
7	W-7	3	3	1	3	2	12	17	W-17	3	2	2	3	4	16	26	W-26	3	3	1	4	3	19
8	W-8	3	3	1	2	2	11	18	W-18	3	4	1	2	4	14	27	W-27	3	6	2	6	2	14
9	W-9	3	3	2	3	2	13	19	W-19	3	2	1	2	4	14	28	W-28	3	7	2	5	5	19
10	W-10	1	1	0	2	2	6																
																<b>Total Number of DPPs</b>		<b>79</b>	<b>83</b>	<b>39</b>	<b>85</b>	<b>91</b>	<b>377</b>

## RESONANCE EDUVENTURES LTD.

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