



Academic Session: 2019-20

TARGET*:
AIIMS
NEET

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COURSE PLANNER FOR STUDENTS CLASS-XII SANKALP (MP)

Target: AIIMS/NEET 2020

Medium: English | Hindi

COURSE CONCEPT

SANKALP course is 2nd year of 2 Yearlong Classroom Contact Program. A Course which offers ample time of 1 year to become an expert in the curriculum of AIIMS/NEET. The course progresses with basic fundamental study; covering upon the syllabus of boards alongwith 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: 01.04.2019 | Course Ends: 18.01.2020

RESONANCE TEACHING METHODOLOGY

Preparation for AIIMS/ NEET

Classroom Teaching

Daily Practice Problems (DPPs)

Study Material (Sheets/Modules)

Periodic Tests - AIIMS/ NEET Pattern

Doubt Classes

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: 35 Weeks**
- ♦ **Total Number of Lectures: 463** (P:132 | C:158 | B:173)
- ♦ **Duration of one lecture: 1.5 hrs = 90 minutes**
- ♦ **Total Duration of Classroom Teaching: 694.5 hrs**
- ♦ **Total Duration of Testing Hours: 98.5 hrs**
- ♦ **Total Academic Hours in SANKALP Course: 793 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	GEOMETRICAL OPTICS	20	01.04.19	PHYSICAL/INORGANIC				ZOOLOGY			
2	ELECTROSTATICS	20	03.05.19	1	SOLID STATE	10	01.04.19	1	REPRODUCTION IN ORGANISMS	2	01.04.19
3	GRAVITATION	5	05.06.19	2	P-BLOCK (NITROGEN FAMILY)	6	23.04.19	2	HUMAN REPRODUCTION	10	03.04.19
4	CURRENT ELECTRICITY	9	13.06.19	3	COORDINATION COMPOUNDS	13	07.05.19	3	REPRODUCTIVE HEALTH	4	01.05.19
5	HEAT TRANSFER	5	01.07.19	4	P-BLOCK (OXYGEN FAMILY)	4	05.06.19	4	HUMAN HEALTH & DISEASE	11	13.05.19
6	CAPACITANCE	11	09.07.19	5	SOLUTION & COLLIGATIVE PROPERTIES	11	17.06.19	5	ANIMAL HUSBANDRY	3	10.06.19
7	ELECTRO MAGNETIC FIELD & FORCE (EMF)	11	29.07.19	6	ELECTROCHEMISTRY	14	10.07.19	6	MICROBES IN HUMAN WELFARE	3	17.06.19
8	ELECTROMAGNETIC INDUCTION (EMI)	8	16.08.19	7	HALOGEN & NOBLE GASES	4	13.08.19	7	BIOTECHNOLOGY-PRINCIPLES AND PROCESSES	3	25.06.19
9	ALTERNATING CURRENT (AC)	5	29.08.19	8	METALLURGY	7	27.08.19	8	APPLICATIONS OF BIOTECHNOLOGY	4	02.07.19
10	MODERN PHYSICS-1	7	09.09.19	9	CHEMICAL KINETICS	9	10.09.19	9	EVOLUTION	8	15.07.19
11	MODERN PHYSICS-2	6	19.09.19	10	D & F-BLOCK COMPOUNDS	5	01.10.19	10	REVISION (XI + XII)	27	05.08.19
12	SEMI-CONDUCTOR DEVICES	6	01.10.19	11	SURFACE CHEMISTRY	7	14.10.19	BOTANY			
13	ELECTROMAGNETIC WAVES (EMW)	1	10.10.19	12	QUALITATIVE ANALYSIS	4	12.11.19	1	GENETICS	31	01.04.19
14	PRINCIPLE OF COMMUNICATION (POC)		14.10.19	13	NCERT DISCUSSION	3	18.11.19	2	APPLICATION BIOLOGY (Plant Breeding)	6	11.06.19
15	WAVE OPTICS	6	15.10.19	ORGANIC				3	ECOLOGY	32	25.06.19
16	MEASUREMENT OF ERROR	4	05.11.19	14	STEREISOIMERS	8	01.04.19	4	REPRODUCTION IN FLOWERING PLANTS	12	10.09.19
17	NCERT DISCUSSION	7	12.11.19	15	HYDROCARBON	6	29.04.19	5	REVISION (XI + XII)	17	08.10.19
				16	R.M. OF ALKYL / ARYL HALIDE	4	20.05.19	Total No. of Lectures			
				17	R.M. OF ALCOHOL ETHER	4	03.06.19	132			
				18	GRIGNARD REAGENT	2	17.06.19	Total No. of Lectures			
				19	AROMATIC HYDROCARBON	4	24.06.19	158			
				20	PHENOL	4	08.07.19	Total No. of Lectures			
				21	AROMATIC COMPOUND	4	22.07.19	173			
				22	CARBONYL COMPOUND & CARBOXYLIC ACID AND DERIVATIVES	9	05.08.19	Total No. of Lectures			
				23	BIOMOLECULES	2	09.09.19	132			
				24	POLYMER	2	16.09.19	158			
				25	CHEMISTRY IN EVERYDAY LIFE	2	23.09.19	173			
				26	SEPARATION TECHNIQUE, ENVIRONMENTAL CHEMISTRY	2	30.09.19	Total No. of Lectures			
				27	REVISION, NCERT DISCUSSION	8	07.10.19	132			
				Total No. of Lectures				158			
				Total No. of Lectures				173			

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	01/04	06/04	4	3	2	3	3	15
W-2	08/04	13/04	4	3	2	3	3	15
W-3	15/04	20/04	4	3	2	3	2	14
W-4	22/04	27/04	4	3	2	3	3	15
W-5	29/04	04/05	6	3	2	3	3	17
W-6	06/05	11/05	4	3	2	3	2	14
W-7	13/05	18/05	4	3	2	3	3	15
W-8	20/05	25/05	4	3	2	3	3	15
W-9	27/05	01/06	4	3	2	3	2	14
W-10	03/06	08/06	4	3	2	3	3	15
W-11	10/06	15/06	4	3	2	3	3	15
W-12	17/06	22/06	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-13	24/06	29/06	4	3	2	3	3	15
W-14	01/07	06/07	4	3	2	3	3	15
W-15	08/07	13/07	4	3	2	3	2	14
W-16	05/07	20/07	4	3	2	3	3	15
W-17	22/07	27/07	4	3	2	3	3	15
W-18	29/07	03/08	4	3	2	3	2	14
W-19	05/08	10/08	4	3	2	3	3	15
W-20	12/08	17/08	4	2	1	2	2	11
W-21	19/08	24/08	4	3	2	3	2	14
W-22	26/08	31/08	4	3	2	3	3	15
W-23	02/09	07/09	4	3	2	3	3	15
W-24	09/09	14/09	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	16/09	21/09	4	3	2	3	3	15
W-26	23/09	28/09	4	3	2	3	3	15
W-27	30/09	05/10	4	3	2	3	2	14
W-28	07/10	12/10	4	3	2	3	2	14
W-29	14/10	19/10	4	3	2	3	2	14
W-30	21/10	26/10	2	1	0	0	0	3
W-31	28/10	02/11	Diwali Vacations					
W-32	04/11	09/11	4	3	2	3	0	12
W-33	11/11	16/11	4	4	2	3	0	13
W-34	18/11	23/11	4	3		3	0	10
W-35	25/11	30/11	0	0	0	3	0	3

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test No. 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		
							Chemistry		Biology			
							Physics	Physical/ Inorganic	Organic		Botany	Zoology
1	PT-1	NEET	21-04-19 (SUNDAY)				Geometrical Optics (Till Prism)	Solid State	Geometrical isomers & Optical Isomers (+IUPAC)	Principles of inheritance & Variations upto-Law of segregation+living world + biological classification	Reproduction in Organisms & Human Reproductive system), Biomolecules	3
2	CT-1	NEET	12-05-19 (SUNDAY)				Geometrical optics, Electrostatics (Till Electric field due to disc & Sheet)	Solid State, p-Block (Nitrogen)	Geometrical isomers & Optical Isomers, Complete stereoisomers, Hydrocarbon (+Structural isomerism)	Principles of inheritance & Variations upto-Sex Determination+ Cell Biology (X)	Reproduction in Organisms & Human Reproduction	3
3	PT-2 & BPT-1	AIIMS+ BOARD	02-06-19 (SUNDAY)				Electrostatics (Gauss's Law)	p-block, Co-ordination Compound	Reaction mechanism of Alkyl and aryl halides (+GOC)	Principles of inheritance & Variations upto The DNA – Structure + Nucleosome model + plant kingdom + plant morphology	Reproductive health + human health and disease (upto innate immunity) + body fluids and circulation, endocrine system	3.5+1
4	CT-2	NEET	23-06-19 (SUNDAY)				Geometrical optical, Electrostatics, Gravitation, Current electricity (till Resistance)	CT-1 + p-Block, Co-ordination compound, Solution Colligative properties	Reaction mechanism of Alkyl & aryl halides, Alcohol, ether, GR (+GOC)	Principles of inheritance & Variations + Molecular genetics	Reproduction in Organisms & Human health and disease	3
5	PT-3	NEET	14-07-19 (SUNDAY)				Current electricity, Heat transfer	p-block (Oxygen family) Solution & Colligative Properties	Aromatic Hydrocarbon, ESR Reaction, Directive effects (+POC)	Molecular genetics + Plant breeding + plant anatomy	Animal husbandry, microbes in human welfare, digestion and absorption, breathing and exchange of gases	3
6	CT3 & BPT-2	AIIMS+ BOARD	04-08-19 (SUNDAY)				CT-2 + Heat Transfer; Capacitance	CT-2 + Solution + Electro-chemistry	Aromatic Hydrocarbon, ESR Reaction, Directive effects, Chemical reaction of Phenol and Aniline (+Hydrocarbon)	Principles of inheritance & Variations + Molecular genetics+Ecology (Organisms and Populations) + Plant morphology(XI) + Biological classification(XI)	Reproduction in Organisms & Human health and disease, animal husbandry, microbes in human welfare, Biotechnology	3.5+1
7	PT-4	NEET	25-08-19 (SUNDAY)				EMF, EMI (till Self induction)	Electro-chemistry, Solution & Colligative properties	Aromatic compound Aniline, Carbonyl compound, NAR (+Hydrocarbon)	Ecology Organisms and Populations + Ecosystem+cell biology	Evolution+Animal Kingdom + Biomolecules	3
8	CT-4	NEET	15-09-19 (SUNDAY)				CT-3 + EMF, EMI, AC	CT-3 + Metallurgy	Aromatic compound Aniline, Carbonyl compound, NAR, Chemical reaction of Acid derivatives(+IUPAC)	Principles of inheritance & Variations + Molecular genetics+Ecology-Ecosystem + Environmental Issues +Plant physiology-II Photosynthesis (XI)+ Plant Growth and development (XI)+ Plant Diversity & Conservation	XII syllabus + structural organisation in animals, digestion and absorption, breathing and exchange of gases, body fluids and circulation	3
9	PT-5 & BPT3	AIIMS+ BOARD	06-10-19 (SUNDAY)				AC, Modern physics-1 & 2	Metallurgy- p-block, (Halogen nobel gas), Chemical Kinetics	Full Syllabus (XII)	Ecology- Biodiversity & Conservation + Reproduction in Flowering plants upto -development and structure of embryo sac. + plant physiology-I	Complete Syllabus of Class XI	3.5+1
10	CT-5	NEET	20-10-19 (SUNDAY)				CT-4 + AC, Modern physics-1 & 2, Semi-conductor; EMI, POC	CT-4 + Chemical Kinetics	Full Syllabus (XI+XII)	Principles of inheritance & Variations + Molecular genetics+ ecology +Reproduction in Flowering plants + Plant physiology-II respiration (XI) + plant kingdom(XI)	FULL SYLLABUS (XI + XII)	3
11	MBPT-1	PHYSICS	02-12-19				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
12	MBPT-1	CHEMISTRY	05-12-19				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
13	MBPT-1	BIOLOGY	10-12-19				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
14	MBPT-2	PHYSICS	06-01-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
15	MBPT-2	CHEMISTRY	09-01-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
16	MBPT-2	BIOLOGY	11-01-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
17	MPT-1	NEET	12-01-20				XI CLASS SYLLABUS	XI CLASS SYLLABUS	XI CLASS SYLLABUS	XI CLASS SYLLABUS	XI CLASS SYLLABUS	3
18	MPT-2	NEET	19-01-20				XII CLASS SYLLABUS	XII CLASS SYLLABUS	XII CLASS SYLLABUS	XII CLASS SYLLABUS	XII CLASS SYLLABUS	3
19	A1OT-1	NEET	02-02-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3.5
20	A1OT-2	AIIMS	16-02-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
21	FST-1	NEET	01-03-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
22	FST-2	NEET	05-03-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
23	FST-3	AIIMS	08-03-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3.5
22	SFT-1 (NEET)	06.11.19 SFT-2 (NEET)	10.11.19 SFT-3 (NEET)	13.11.19 SFT-4 (NEET)	17.11.19 SFT-5 (NEET)	20.11.19						15
23	APT-1 (BOTANY)	26.06.19 APT-2 (ZOOLOGY)	17.07.19 APT-3 (PHYSICS)	07.08.19 APT-4 (PHYSICS)	28.08.19 APT-5 (CHEMISTRY)	09.10.19						9

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. 4. SFTs & APTs syllabus will be provided to students in separate sheet.

Total Testing Hours 98.5

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					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	1	2	1	2	10	12	W-12	3	2	0	2	1	7	23	W-23	3	2	1	1	0	7								
2	W-2	3	2	2	1	2	11	13	W-13	3	2	1	1	1	8	24	W-24	3	2	1	1	0	7								
3	W-3	3	2	2	1	2	11	14	W-14	3	2	2	1	1	9	25	W-25	3	2	1	1	0	7								
4	W-4	3	2	2	1	2	11	15	W-15	3	1	0	1	1	7	26	W-26	3	2	1	1	0	7								
5	W-5	3	2	1	1	2	10	16	W-16	3	2	1	1	2	10	27	W-27	3	1	0	1	0	5								
6	W-6	3	2	1	1	2	10	17	W-17	3	2	0	1	2	9	28	W-28	3	2	0	3	0	8								
7	W-7	3	2	2	1	3	12	18	W-18	3	2	1	1	3	10	29	W-29	3	2	0	0	0	5								
8	W-8	3	2	2	1	3	12	19	W-19	3	1	1	1	0	6	30	W-30	3	0	0	0	0	3								
9	W-9	3	2	2	1	3	12	20	W-20	3	1	1	1	0	6	31	W-31	0	0	0	0	0	0								
10	W-10	3	2	2	1	3	12	21	W-21	3	2	1	1	0	7	32	W-32	3	0	0	0	0	3								
11	W-11	3	2	3	2	3	13	22	W-22	3	1	1	1	0	6	33	W-33	3	2	0	0	0	5								
																								Total Number of DPPs		96	54	34	32	38	254

RESONANCE EDUVENTURES LTD.

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