



# COURSE PLANNER

## CLASS-XII | SANKALP (MP)

Medium: Eng./Hin. Academic Session: 2021-22

Course Start: 22.02.2021 | Syllabus End: 27.11.2021

**Target: NEET 2022**

### TOTAL ACADEMIC HOURS

- ◆ Course Duration: 40 Weeks
- ◆ Total Number of Lectures: 488 (P:145 | C: 183 | B: 160)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 732 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 51 hrs
- ◆ Total Academic Hours in SANKALP Course: 783 hrs

## SUBJECT WISE SYLLABUS PLAN

PHYSICS (P)				CHEMISTRY (C)				BIOLOGY (B)			
S. No.	Topic Name/Sequence	No of Lectures	Starting Date	S. No.	Topic Name/Sequence	No of Lectures	Starting Date	S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Modern Physics	12	22-02-2021	PHYSICAL/ INORGANIC			22-02-2021	ZOOLOGY			
2	Nuclear Physics	12	15-03-2021	1	Solution & Colligative properties	15	22-02-2021		Reproduction in organisms	4	22-02-2021
3	Solid & Semiconductor	11	06-04-2021	2	Coordination compounds	15	05-04-2021		Human reproduction and Reproductive health	16	08-03-2021
4	Geometrical Optics	20	26-04-2021	3	Solid State	11	10-05-2021		Human health and disease	11	03-05-2021
5	Electrostatics	19	31-05-2021	4	p-Block (Nitrogen Family)	6	02-06-2021		Origin and evolution	9	08-06-2021
6	Gravitation	7	05-07-2021	5	Electrochemistry	17	16-06-2021		Biotechnology	8	12-07-2021
7	Current Electricity	12	19-07-2021	6	p-Block (Oxygen Family)	6	27-07-2021		Strategies for enhancement of food production	3	09-08-2021
8	Heat Transfer	8	09-08-2021	7	Metallurgy	7	10-08-2021		Microbes in human welfare	3	17-08-2021
9	Capacitance	11	23-08-2021	8	Chemical kinetics	10	25-08-2021		Revision1 Reproduction (Animals and Human)	6	30-08-2021
10	EMF	12	13-09-2021	9	Halogen & Noble Gases	6	20-09-2021		Revision 2 Human health & disease	6	13-09-2021
11	Electromagnetic Induction	8	04-10-2021	10	Surface chemistry	6	04-10-2021		Revision 3 Origin and evolution	6	27-09-2021
12	Alternating current	6	18-10-2021	11	d & f - Block Elements	6	18-10-2021		Revision 4 Biotechnology	6	11-10-2021
13	Electromagnetic wave	1	11-11-2021	12	Qualitative Analysis	6	12-11-2021		Revision 5 Strategies for enhancement of food production	2	25-10-2021
14	Wave Optics	6	12-11-2021	ORGANIC					Revision 6 Microbes in human welfare	2	27-10-2021
				1	Grignard Reagent	2	21-06-2021		BOTANY		
				2	Separation Technique	2	25-10-2021		Application Biology (Plant Breeding)	6	22-02-2021
				3	Some Basic Principles and Techniques (POC-I)	2	30-03-2021		Reproduction in flowering plants	11	15-03-2021
				4	Biomolecule	3	21-09-2021		Genetics	30	20-04-2021
				5	Chemistry in Everyday Life	3	12-10-2021		Ecology	31	03-08-2021
				6	Polymer	3	04-10-2021				
				7	Reaction Mechanism of Alcohol ether	4	07-06-2021				
				8	Reaction Mechanism of Alkyl / Aryl halide	4	24-05-2021				
				9	Structural identification & POC	4	15-03-2021				
				10	Aromatic Hydrocarbon	5	28-06-2021				
				11	Electronic Effect	6	22-02-2021				
				12	Hydrocarbon (Alkane/ Alkene/ Alkyne) (6)	6	03-05-2021				
				13	Stereoisomers	8	05-04-2021				
				14	Aromatic compound (Phenol Aniline, Nitrobenzene)	9	12-07-2021				
				15	Carbonyl Compound & Carboxylic acid and derivatives	11	16-08-2021				
<b>Total No. of Lectures</b>		<b>145</b>		<b>Total No. of Lectures</b>		<b>183</b>		<b>Total No. of Lectures</b>		<b>160</b>	

### DPP DISTRIBUTION SCHEDULE

S.No.	Date	Week	Module
1	Monday, 22 February, 2021	W-1	A

### COUNSELING SESSIONS SCHEDULE\*

Session	WEEK
Session 01	<b>05 - 10 April 2021</b>
Session 02	<b>12 - 17 July 2021</b>
Session 03	<b>18 - 23 October 2021</b>

## RESONANCE EDUVENTURES LTD.

# PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	Uploading of Result on Resonance Website	Physics		Chemistry		Biology		Testing Hours
					Physics	Chemistry	Botany	Zoology			
1	Class Test-1	NEET	14-03-2021 (Sunday)	24-03-2021 (Wednesday)	Solution & Colligative properties (upto Vapour pressure)	Electronic Effect (upto to Basic Strength)	Plant Breeding	Reproduction in animals			
2	Class Test-1	NEET	28-03-2021 (Sunday)	07-04-2021 (Wednesday)	Nuclear Physics	Electronic Effect (GOC), Structural identification	Reproduction in flowering plants - Upto development of male gametophyte	Reproduction in flowering plants - Upto development of male gametophyte			
3	PT-1	NEET	18-04-2021 (Sunday)	25-04-2021 (Wednesday)	Nuclear Physics, Semiconductor (upto zener diode)	Electronic Effect (GOC), Structural identification & POC-I, Stereoisomerism (upto Syn-anti, oximes, number of G.I. and E, Z)	Reproduction in flowering plants- upto pollination	Reproduction in organisms Human reproduction system-male reproductive system upto reproductive cycles)			3
4	CT-1	NEET	02-05-2021 (Sunday)	12-05-2021 (Wednesday)	Modern Physics, Nuclear Physics, Semiconductor	Electronic Effect (GOC), Structural identification, Stereoisomerism (upto Special case of Optical isomerism (Allenes, biphenyl, spiro compounds))	Plant Breeding + Reproduction in flowering plants	Reproduction in organisms Human reproduction upto Population explosion & Birth control			3
5	PT-2	NEET	16-05-2021 (Sunday)	26-05-2021 (Wednesday)	Semiconductor, Geometrical Optics (upto slab and composite slab)	Stereoisomerism, Hydrocarbon (Alkane / Alkene / Alkyne) (upto Preparation of Alkene, Preparation, Properties of alkene / alkyne)	Principles of inheritance and variation- upto Monohybrid cross and its Conclusions	Reproductive Health (Medical Termination of pregnancy (MTP), STD (Venereal Diseases), Various types of diseases in Human- Bacterial, Viral Fungal, Protozoan, Helminthic, Diseases)			3
6	CT-2	NEET	30-05-2021 (Sunday)	09-06-2021 (Wednesday)	Modern Physics, Nuclear Physics, Semiconductor, Geometrical Optics (upto Lens-mirror combination)	Electronic Effect (GOC), Structural identification, Stereoisomerism, Hydrocarbon (Alkane / Alkene / Alkyne)	Plant breeding + Reproduction in flowering plants + Principles of inheritance and variation - Upto Exceptions of Mendel's laws	Reproduction in organisms Human reproduction upto Vaccination and Immunization.			3
7	PT-3	NEET	13-06-2021 (Sunday)	23-06-2021 (Wednesday)	Geometrical Optics, Electrostatics (Upto Electric field due to disc & sheet)	Hydrocarbon (Alkene / Alkyne / Aryl halide)	Principles of inheritance and variation- upto Sex-determination	Human health and disease (comp.)			3
8	CT-3	NEET	27-06-2021 (Sunday)	07-07-2021 (Wednesday)	Modern Physics, Nuclear Physics, Semiconductor, Geometrical Optics, Electrostatics (upto relation between E & V)	Electronic Effect (GOC), Structural identification, Stereoisomerism, Hydrocarbon (Alkane / Alkene / Alkyne), RM of Alkyl / Aryl halide / Alcohol ether	Plant breeding + Reproduction in flowering plants + Principles of inheritance and variation - upto Mutation	Origin and evolution upto Evidences of Evolution-II Reproduction in organisms Human reproduction Reproductive Health Human health and disease			3
9	PT-4	NEET	11-07-2021 (Sunday)	21-07-2021 (Wednesday)	Electrostatics	RM of Alkyl / Aryl halide / Alcohol ether, Grignard Reagent, Aromatic Hydrocarbon (upto Chemical reaction (Electrophilic substitution reactions))	Principles of inheritance and variation + Molecular basis of Inheritance- Upto Hesthey and Chace Experiment	Origin and evolution Modern synthetic theory, Natural Selection, Speciation Brief account of evolution, Theories: Lamarckism, Darwinism Mutation theory, Hardy Weinberg Principle			3
10	CT-4	NEET	25-07-2021 (Sunday)	04-08-2021 (Wednesday)	Modern Physics, Nuclear Physics, Semiconductor, Geometrical Optics, Electrostatics, Gravitation	Electronic Effect (GOC), Structural identification, Stereoisomerism, Hydrocarbon (Alkene / Alkyne) Reagent, Mechanism of Alkyl / Aryl halide / Alcohol ether, Grignard Reagent, Aromatic Hydrocarbon	Plant breeding + Reproduction in flowering plants + Principles of inheritance and variation + Molecular basis of Inheritance- Upto Transcription	Origin and evolution Reproduction in organisms Human reproduction Reproductive Health Human health and disease Biotechnology (Tools of recombinant DNA technology & principles)			3
11	PT-5	NEET	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Gravitation, Current Electricity (upto symmetrical circuit and Grouping of cells)	Aromatic Hydrocarbon, Aromatic compound (upto Phenol)	Molecular basis of Inheritance- upto Lac operon	Biotechnology (applications in agriculture- Bt cotton, Pest resistant plants & applications in medicine- Genetically engineered insulin, Gene Therapy)			3
12	CT-5	NEET	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Modern Physics, Nuclear Physics, Semiconductor, Geometrical Optics, Electrostatics, Gravitation, Current electricity, Heat transfer	Electronic Effect (GOC), Structural identification, Stereoisomerism, Hydrocarbon (Alkene / Alkyne / Alcohol ether, Grignard Reagent, Aromatic Hydrocarbon, Aromatic compound (Phenol Aniline, Nitrobenzene), Carbonyl Compound (upto Nucleophilic addition reaction of carbonyl compounds (HCN & GR, ROH))	Organism and population- upto Population Growth	Origin and evolution Reproduction in organisms Human reproduction Reproductive Health Human health and disease, Biotechnology, Strategies for enhancement of food production			3
13	PT-6	NEET	12-09-2021 (Sunday)	22-09-2021 (Wednesday)	Current Electricity, Heat transfer, Capacitance (upto problem on dielectric)	Aromatic compound (Phenol Aniline, Nitrobenzene) Carbonyl Compound (upto Cannizzaro reaction, Other name reaction knownegal, Haloform reaction)	Genetics complete + Organism and population- upto Abiotic factors	Reproduction in Animals			3
14	CT-6	NEET	26-09-2021 (Sunday)	06-10-2021 (Wednesday)	Modern & Nuclear Physics, Semiconductor, GO, Electrostatics, Gravitation, CE, Heat transfer, Capacitance, EMF (upto magnetic force on a moving point charge)	Electronic Effect (GOC), Structural identification, Stereoisomerism, Hydrocarbon (Alkene / Alkyne / Alcohol ether, Grignard Reagent, Aromatic Hydrocarbon, Aromatic compound (Phenol Aniline, Nitrobenzene), Carbonyl Compound & Carboxylic acid and derivatives)	Genetics complete + Organism and population- upto decomposition	Reproduction in Animals and Human, human health and disease			3
15	PT-7	NEET	10-10-2021 (Monday)	20-10-2021 (Thursday)	Capacitance, EMF	Carbonyl Compound & Carboxylic acid and derivatives, Biomolecule	Organism and population+ Ecosystem	Origin and evolution			3
16	CT-7	NEET	24-10-2021 (Sunday)	03-11-2021 (Wednesday)	Modern & Nuclear Physics, Semiconductor, GO, Electrostatics, Gravitation, CE, Heat transfer, Capacitance, EMF, EMI	Complete XII Syllabus	Organism and population+ Ecosystem+ Environmental issues- upto Air pollution	Reproduction in Animals and Human, human health and disease, Origin and evolution, biotechnology-1			3
17	PT-8	NEET	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	EMI, AC	Biomolecule & Polymer; Chemistry in Everyday Life, Separation Technique	Ecosystem+ Environmental issues	Biotechnology, Strategies for enhancement of food production, Microbes in human welfare			3
18	FST-1	NEET	28-11-2021 (Sunday)	08-12-2021 (Saturday)	Full syllabus	Full syllabus	XI	XI			3
19	FST-2	NEET	12-12-2022 (Sunday)	22-12-2021 (Wednesday)	Full syllabus	Full syllabus	XII	XII			3

**TOTAL TESTING HOURS**

51

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/ CIs (except BPTs).  
3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.