

# COURSE PLANNER

## CLASS-XII+ | SAFAL (O1MR)

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

Course Start: 13.09.2021 | Syllabus End: 31.03.2022

### Target: NEET 2022



### TOTAL ACADEMIC HOURS

Course Duration: 28 Weeks

Total No. of Lectures: 487 (P: 155 | C: 164 | B: 168)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 731 hrs

Total Duration of Testing Hours: 42 hrs

Total Academic Hours in SAFAL Course: 773 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	Electrostatics	12	13-Sep-21	PHYSICAL/ INORGANIC			ZOOLOGY				
2	Gravitation	3	04-Oct-21	1	Mole Concept	6	13-Sep-21	1	Reproduction in organisms	3	13-Sep-21
3	Current Electricity	6	07-Oct-21	2	Atomic Structure	6	22-Sep-21	2	Human reprod. & Reprod. health	12	20-Sep-21
4	Capacitance	6	14-Oct-21	3	Gaseous State	3	04-Oct-21	3	Human health and disease	6	18-Oct-21
5	EMF	9	21-Oct-21	4	Periodic table	3	07-Oct-21	4	Origin and evolution	6	11-Nov-21
6	EMI	8	11-Nov-21	5	Chemical Bonding	10	13-Oct-21	5	Biotechnology-1	3	22-Nov-21
7	Alternating current	4	20-Nov-21	6	p-Block (Boron & Carbon Family)	2	11-Nov-21	6	Biotechnology-2	2	29-Nov-21
8	Modern Physics	5	25-Nov-21	7	Solution & Colligative properties	6	15-Nov-21	7	Strategies for enhanc. of Food prod	2	01-Dec-21
9	Nuclear Physics	4	01-Dec-21	8	p-Block (Nitrogen & Oxygen Family)	4	24-Nov-21	8	Microbes in human welfare	2	07-Dec-21
10	Solid & Semiconductor	4	06-Dec-21	9	Electrochemistry	7	01-Dec-21	9	Structural Organisation in Animals	5	13-Dec-21
11	Electromagnetic wave	1	10-Dec-21	10	p-Block elements (Halogen & Noble gas)	3	14-Dec-21	10	Digestion and Absorption	5	22-Dec-21
12	KTG & Thermodynamics	5	11-Dec-21	11	Coordination compounds	9	20-Dec-21	11	Breathing and Exchange of Gases	5	04-Jan-22
13	Calorimetry & Thermal expansion	3	17-Dec-21	12	d-Block elements	3	04-Jan-22	12	Body Fluids & Circulation	5	17-Jan-22
14	Heat Transfer	3	21-Dec-21	13	Chemical Kinetics	7	10-Jan-22	13	Excretory Prod. & their Elimination	4	27-Jan-22
15	Simple Harmonic Motion	6	24-Dec-21	14	Metallurgy	3	20-Jan-22	14	Chemical Coordination & Integration	5	07-Feb-22
16	String wave	6	31-Dec-21	15	Redox Reaction (Equivalent Concept)	4	26-Jan-22	15	Neural control and coordination	4	16-Feb-22
17	Sound wave	6	07-Jan-22	16	s-Block elements	3	02-Feb-22	16	"Locomotion and movement"	3	28-Feb-22
18	Unit & dimension	1	14-Jan-22	17	Solid State	5	08-Feb-22	17	Animal Kingdom - 1	3	07-Mar-22
19	Error & Measurement	1	15-Jan-22	18	Surface chemistry	4	16-Feb-22	18	Animal Kingdom - 2	3	14-Mar-22
20	Fluid mechanics	2	17-Jan-22	19	Chemical Equilibrium	5	23-Feb-22	19	Biomolecules	6	21-Mar-22
21	Elasticity & Viscosity	2	19-Jan-22	20	Ionic Equilibrium	7	03-Mar-22	BOTANY			
22	Surface Tension	2	21-Jan-22	21	Thermodynamics & Thermochemistry	9	16-Mar-22	1	Reproduction in Flowering plants	7	13-Sep-21
23	Mathematical Tools	4	24-Jan-22	ORGANIC			2	Cell Biology	9	04-Oct-21	
24	Rectilinear Motion	4	29-Jan-22	1	IUPAC Nomenclature & Struc. Isomerism	4	13-Sep-21	3	Genetics	15	25-Oct-21
25	Projectile Motion	2	03-Feb-22	2	Stereoisomers	8	27-Sep-21	4	Biological Classification	3	07-Dec-21
26	Relative Motion	1	05-Feb-22	3	GOC (Electronic Effects & Applications)	11	25-Oct-21	5	Plant Kingdom	6	14-Dec-21
27	Newtons laws of motion	5	07-Feb-22	4	Hydrocarbon (Alkane/ Alkene/Alkyne)	5	13-Dec-21	6	Ecology	13	28-Dec-21
28	Friction	2	12-Feb-22	5	Reaction Mechanism of Alkyl / Aryl halide	2	28-Dec-21	7	Plant Physiology -II	11	26-Jan-22
29	Work, Power & Energy	5	15-Feb-22	6	Reaction Mechanism of Alcohol ether	3	04-Jan-22	8	Plant Morphology	6	22-Feb-22
30	Circular Motion	6	21-Feb-22	7	Grignard reagent	2	17-Jan-22	9	Plant Anatomy	5	08-Mar-22
31	Centre of mass	6	28-Feb-22	8	Aromatic Hydrocarbon (Benzene)	2	24-Jan-22	10	Plant Physiology-I	6	16-Mar-22
32	Rigid Body Dynamics	6	07-Mar-22	9	Aromatic compound (Phenol, Aniline, Nitrobenzene)	6	31-Jan-22	11	"Application Biology"	2	28-Mar-22
33	Geometrical Optics	10	14-Mar-22	10	Carbonyl Compound & Carboxylic acid and derivatives	8	21-Feb-22	12	Living world	1	30-Mar-22
34	Wave Optics	5	25-Mar-22	11	Biomolecules & Polymer	4	21-Mar-22				
<b>Total No. of Lectures</b>		<b>155</b>		<b>Total No. of Lectures</b>		<b>164</b>		<b>Total No. of Lectures</b>		<b>168</b>	

### DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Monday, 13 September, 2021	W-1	A	Monday, 20 December, 2021	W-15	B

## RESONANCE EDUVENTURES LTD.

Registered & Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Rajasthan) - 324005 | Tel. No.: 0744-2777777, 2777700 | CIN: U80302RJ2007PLC024029

# 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
					Electrostatics (Up to Electric field due to spherical, shell and solid sphere)	Electrostatics, Gravitation	Mole Concept, Atomic Structure	Organic	Zoology	Botany	
1	PT-1	NEET	26-09-2021 (Sunday)	06-09-2021 (Wednesday)	Electrostatics (Up to Electric field due to spherical, shell and solid sphere)	Electrostatics, Gravitation	Mole Concept	IUPAC Nomenclature (upto Alkyne)	Reproduction in organisms	Reproduction in flowering plants upto development of male gametophyte	3
2	CT-1	NEET	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Electrostatics, Gravitation	Electrostatics, Gravitation	Mole concept & Atomic structure, Gaseous State, Periodic table	IUPAC Nomenclature & Struc. Isomerism, Stereoisomers (upto Syn-anti, oximes, number of G.I. and E, Z)	Reproduction in organisms, Human reproduction and reproductive health	Reproduction in flowering plants complete	3
3	PT-2	NEET	24-10-2021 (Sunday)	03-11-2021 (Wednesday)	Electrostatics, Gravitation, Current electricity, Capacitance (Up to Combination of capacitors)	Electrostatics, Gravitation, Current electricity, Capacitance (Up to Combination of capacitors)	Mole concept & Atomic structure, Gaseous State, Periodic table	IUPAC Nomenclature, Structural isomerism, Stereoisomers (upto Conformation of Alkene, CH <sub>2</sub> =X, types of comp., dipole moment, app.)	Human health and disease	Cell unit of life upto Ribosome	3
4	CT-2	NEET	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Electrostatics, Gravitation, Current electricity, Capacitance, EMF	Electrostatics, Gravitation, Current electricity, Capacitance	Mole Concept, Atomic Structure, Gaseous State, Periodic table, Chemical Bonding	IUPAC Nomenclature, Structural isomerism, Stereoisomers, GOC (Application of electronic effects) (upto Resonance)	Reproduction in organisms, Human reproduction and reproductive health	Reproduction in flowering plants + Cell unit of life complete + Cell division	3
5	PT-3	NEET	28-11-2021 (Sunday)	08-12-2021 (Wednesday)	Capacitance, EMF, EMI, AC (Up to R-L, L-C, L-C-R circuits)	Capacitance, EMF, EMI, AC (Up to R-L, L-C, L-C-R circuits)	Chem. Bonding, p-Block (Boron & Carbon Family), Solution & Colligative prop. (upto immiscible Liquids, introduction to colligative prop.)	Stereoisomers, GOC (Application of electronic effects) (upto Carbocations)	Origin and evolution, Biotechnology-1	Genetics - Principles inheritance and variations upto sex determination	3
6	CT-3	NEET	12-12-2021 (Sunday)	22-12-2021 (Wednesday)	Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI, AC, Modern Physics, Nuclear Physics	Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI, AC, Modern Physics, Nuclear Physics	Mole Concept, Atomic Struc., Gaseous State, Periodic table, Chemical Bonding, p-Block elements, Solution & Colligative prop., p-Block (Nitrogen & Oxygen Family)	IUPAC Nomenclature, Structural isomerism, Stereoisomers, GOC (Application of electronic effects) (upto Basic Straight)	Reproduction in organisms: Human reprod. and reproductive health, Human health and disease, Origin and evolution, Biotechnology-1 & 2	Cell Biology + Genetics upto Transcription	3
7	PT-4	NEET	26-12-2021 (Sunday)	05-01-2022 (Wednesday)	AC, Modern Physics, Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal Expansion	AC, Modern Physics, Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal Expansion	Solution & Colligative properties, p-Block (Nitrogen & Oxygen Family), Electrochemistry, p-Block elements (Halogen & Noble gas)	GOC (App. of electronic effects), Hydrocarbon (Alkane/Alkyne/Alkene) (upto Chem. reaction of Alkane/Alkyne/Electrophilic addition), H <sub>2</sub> O/HX, X <sub>2</sub> /HOX/NBS, Bayer's reagent, (per acid)	Strategies for enhancement of Food production, Structural Organisation in Animals	Molecular basis of inheritance + Biological classification upto protista.	3
8	CT-4	NEET	09-01-2022 (Sunday)	19-01-2022 (Wednesday)	Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI, AC, Modern Physics, Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal expansion, Heat Transfer, SHM, String wave (Up to Superposition, Reflection)	Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI, AC, Modern Physics, Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal expansion, Heat Transfer, SHM, String wave (Up to Superposition, Reflection)	Mole Concept, Atomic Structure, Gaseous State, Periodic table, Chemical Bonding, p-Block Elements (Boron & Carbon Family), Solution & Colligative prop., p-Block (Nitrogen & Oxygen Family), Electrochemistry, p-Block elements (Halogen & Noble gas), Coordination Compounds	IUPAC Nomenclature, Structural isomerism, Stereoisomers, GOC (Application of electronic effects), Hydrocarbon (Alkane/Alkyne/Alkene)	Reproduction in organisms, Human reproduction and reproductive health, Human health and disease, Origin and evolution, Biotechnology-1 & 2, Strategies for enhancement of Food production, Structural Organisation in Animals	Genetics complete + Biological classification + Plant: Kingdom	3
9	PT-5	NEET	23-01-2022 (Sunday)	02-02-2022 (Wednesday)	Heat Transfer, SHM, String wave, Sound wave, Unit & Dimension, Error	Heat Transfer, SHM, String wave, Sound wave, Unit & Dimension, Error	Coordination Compounds, d-block elements, Chemical Kinetics (upto Monitoring the progress of reaction)	Hydrocarbon (Alkane/Alkyne/Alkene) & Reaction Mechanism of Alcohol ether	Digestion and Absorption, Breathing and Exchange of Gases	Ecology - Organism and Population + Ecosystem upto decomposition	3
10	CT-5	NEET	06-02-2022 (Sunday)	16-02-2022 (Wednesday)	Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI, AC, Modern Physics, Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal expansion, Heat Transfer, SHM, String wave, Sound wave, Unit & Dimension, Error, Fluid mechanics, Elasticity & Viscosity, Surface Tension, Mathematical tools	Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI, AC, Modern Physics, Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal expansion, Heat Transfer, SHM, String wave, Sound wave, Unit & Dimension, Error, Fluid mechanics, Elasticity & Viscosity, Surface Tension, Mathematical tools	Mole Concept, Atomic Structure, Gaseous State, Periodic table, Chemical Bonding, p-Block Elements (Boron & Carbon Family), Solution & Colligative properties, p-Block (Nitrogen & Oxygen Family), Electrochem., p-Block elements (Halogen & Noble gas), Coordination Comp., d-block elements Chem. Kinetics, Metallurgy, Redox reaction (upto Ellingham diagram)	IUPAC Nomenclature, Structural isomerism, Stereoisomers, GOC (Application of electronic effects), Hydrocarbon (Alkane/Alkyne/Alkene), Reaction Mechanism of Alkyl/ Aryl halide, Alcohol/ ether, Grignard reagent, Aromatic Hydrocarbon (Benzene) (upto Directive effect in Electrophilic substitution reactions), Limitation of Electrophilic substitution reactions	Digestive system, Respiratory system, Circulatory system, Excretory system	Plant: Kingdom + Ecology upto Environmental issues	3
11	PT-6	NEET	20-02-2022 (Sunday)	02-03-2022 (Wednesday)	Fluid mechanics, Elasticity & Viscosity, Surface Tension, Mathematical tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction	Fluid mechanics, Elasticity & Viscosity, Surface Tension, Mathematical tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction	Chemical Kinetics, Metallurgy, Redox Reaction (Equivalent Concept), s-Block elements, Solid State (upto type of voids)	Reaction Mechan. of Alcohol/ Ether, Grignard reagent, Aromatic Hydrocarbon (Benzene), Aromatic comp. (Phenol, Aniline, Nitrobenzene) (upto Chemical reaction of amines, Chemical reaction of Diazonium salt, & coupling reaction)	Endocrine system	Photosynthesis complete + Ecology-Biodiversity & Conservation	3
12	CT-6	NEET	06-03-2022 (Sunday)	16-03-2022 (Wednesday)	Electrostatics, Gravitation, CE, Capacitance, EMF, EMI, AC, Modern & Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal expansion, Heat Transfer, SHM, String wave, Sound wave, Unit & Dimension, Error, Fluid mechanics, Elasticity & Viscosity, Surface Tension, Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, GO	Electrostatics, Gravitation, CE, Capacitance, EMF, EMI, AC, Modern & Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal expansion, Heat Transfer, SHM, String wave, Sound wave, Unit & Dimension, Error, Fluid mechanics, Elasticity & Viscosity, Surface Tension, Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, GO	Mole Concept, Atomic Structure, Gaseous State, Periodic table, Chemical Bonding, p-Block Elements (Boron & Carbon Family), Solution & Colligative properties, p-Block (Nitrogen & Oxygen Family), Electrochemistry, p-Block elements (Halogen & Noble gas), Coordination Compounds, d-block elements, Chemical Kinetics, Metallurgy, Redox reaction, s-block elements, Solid State, Surface Chemistry	IUPAC Nomenclature, Structural isomerism, Stereoisomers, GOC (Application of electronic effects), Hydrocarbon (Alkane/Alkyne/Alkene), Alcohol/ ether, Grignard reagent, Aromatic Hydrocarbon (Benzene), Aromatic compound (Phenol, Aniline, Nitrobenzene)	Digestive system, Respiratory system, Circulatory system, Excretory system, Endocrine system, Nervous system, Locomotion & Movement	Ecology complete + Photosynthesis + Respiration + Plant: Growth & Development upto Auxin.	3
13	PT-7	NEET	20-03-2022 (Sunday)	30-03-2022 (Wednesday)	WPE, Circular Motion, Centre of mass, RBD	WPE, Circular Motion, Centre of mass, RBD	Solid State, Surface Chemistry, Chemical Equilibrium, Ionic Equilibrium (upto Buffer Solution, Titration & Indicator)	Aromatic comp. (Phenol, Aniline, Nitrobenzene), Carbonyl Comp. & Carboxylic acid & derivatives (upto Preparation of acid and derivatives)	Animal Kingdom - 1 & 2	Plant: Growth & Development complete + Plant: Morphology	3
14	CT-7	NEET	03-04-2022 (Sunday)	06-04-2022 (Wednesday)	Electrostatics, Gravitation, CE, Capacitance, EMF, EMI, AC, Modern Physics, Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal expansion, Heat Transfer, SHM, String wave, Sound wave, Unit & Dimension, Error, Fluid mechanics, Elasticity & Viscosity, Surface Tension, Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, GO	Electrostatics, Gravitation, CE, Capacitance, EMF, EMI, AC, Modern Physics, Nuclear Physics, Solid & Semiconductor, KTG & Thermodynamics, Calorimetry & Thermal expansion, Heat Transfer, SHM, String wave, Sound wave, Unit & Dimension, Error, Fluid mechanics, Elasticity & Viscosity, Surface Tension, Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, GO	Full Syllabus	Digestive system, Respiratory system, Circulatory system, Excretory system, Endocrine system, Nervous system, Locomotion & Movement, Animal Kingdom-1 & 2, Biomolecules	Plant Morphology + Plant Anatomy + Mineral Nutrition	3	

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

**TOTAL TESTING HOURS**

**42**