

COURSE PLANNER

CLASS-XII | SAMBHAV (MF)

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

Course Start: 05.04.2021 | Syllabus End: 20.02.2022

Target: NEET 2022



TOTAL ACADEMIC HOURS

Course Duration: 33 Weeks

Total No. of Lectures: 726 (P: 217 | C: 257 | B: 252)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 1089 hrs

Total Duration of Testing Hours: 57 hrs

Total Academic Hours in SAMBHAV Course: 1146 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	Mathematical Tools	10	05-Apr-21	PHYSICAL/ INORGANIC				ZOOLOGY						
2	Rectilinear Motion	10	19-Apr-21	1	Mole Concept	11	05-Apr-21	1	Reproduction in organisms	3	05-Apr-21			
3	Projectile Motion	4	03-May-21	2	Atomic Structure	12	28-Apr-21	2	Human reprod. & Reprod. health	15	13-Apr-21			
4	Relative motion	6	07-May-21	3	Gaseous State	7	26-May-21	3	Human health and disease	11	31-May-21			
5	Newtons laws of motion	10	17-May-21	4	Periodic table	4	14-Jun-21	4	Origin and evolution	9	23-Jun-21			
6	Friction	5	31-May-21	5	Chemical Bonding	12	21-Jun-21	5	Biotechnology	6	14-Jul-21			
7	Geometrical Optics	15	07-Jun-21	6	p-Block (B & C Family)	4	12-Jul-21	6	Strategies for enhancem. of Food prod.	3	28-Jul-21			
8	Work, Power & Energy	7	28-Jun-21	7	Solution & Colligative properties	6	19-Jul-21	7	Microbes in human welfare	4	04-Aug-21			
9	Circular Motion	7	07-Jul-21	8	N & O Family	5	28-Jul-21	8	Structural Organisation in Animals	6	16-Aug-21			
10	Centre of mass	8	16-Jul-21	9	Electrochemistry	10	05-Aug-21	9	Digestion and Absorption	8	30-Aug-21			
11	Rigid Body Dynamics	10	28-Jul-21	10	Halogens & Noble gas	4	24-Aug-21	10	Breathing and Exchange of Gases	6	15-Sep-21			
12	Simple Harmonic motion	7	11-Aug-21	11	Coordination compounds	11	31-Aug-21	11	Body Fluids & Circulation	6	29-Sep-21			
13	Electrostatics	15	20-Aug-21	12	d-Block elements	6	20-Sep-21	12	Excretory Products & their Elimination	6	18-Oct-21			
14	Gravitation	5	10-Sep-21	13	Chemical Kinetics	10	29-Sep-21	13	Chemical Coordination Integration	6	26-Oct-21			
15	Current electricity	8	17-Sep-21	14	Metallurgy	8	18-Oct-21	14	Neural control and coordination	9	23-Nov-21			
16	Capacitance	8	29-Sep-21	15	Redox Reaction (Equivalent Concept)	6	11-Nov-21	15	Locomotion and movement	6	14-Dec-21			
17	EMF	12	11-Oct-21	16	s-Block elements	6	22-Nov-21	16	Animal Kingdom-Gen. Ac. & Non chordates	6	28-Dec-21			
18	EMI	8	27-Oct-21	17	Solid State	7	01-Dec-21	17	Animal Kingdom-1	2	10-Jan-22			
19	Alternating current	5	18-Nov-21	18	Surface chemistry	7	14-Dec-21	18	Animal Kingdom-2 Chordates	5	18-Jan-22			
20	Modern Physics	7	25-Nov-21	19	Chemical Equilibrium	8	27-Dec-21	19	Biomolecules	6	07-Feb-22			
21	Nuclear Physics	6	06-Dec-21	20	Ionic Equilibrium	11	10-Jan-22	BOTANY						
22	Semiconductor	5	14-Dec-21	21	Thermodynamics & Thermochemistry	13	27-Jan-22	1	Reproduction in Flowering plants	12	05-Apr-21			
23	Electromagnetic Wave	1	21-Dec-21	ORGANIC				2	Application Biology	3	03-May-21			
24	KTG & Thermodynamics	8	22-Dec-21	1	IUPAC Nomenclature	8	05-Apr-21	3	Genetics	27	10-May-21			
25	Calorimetry & Thermal expansion	4	03-Jan-22	2	Structural Isomerism	4	03-May-21	4	Ecology	21	12-Jul-21			
26	Heat Transfer	4	07-Jan-22	3	Stereoisomers	12	17-May-21	5	Cell Biology	13	30-Aug-21			
27	String wave	6	13-Jan-22	4	GOC (Electronic effect)	4	28-Jun-21	6	Plant Physiology II	21	28-Sep-21			
28	Sound Wave	7	21-Jan-22	5	Application of electronic effects	9	12-Jul-21	7	Plant morphology	10	23-Nov-21			
29	Unit & Dimension	1	01-Feb-22	6	Reaction Mechanism of Alkyl / Aryl halide	4	10-Aug-21	8	Plant anatomy	7	15-Dec-21			
30	Error & Measurement	1	02-Feb-22	7	Reaction Mechanism of Alcohol ether	7	24-Aug-21	9	Biological Classification	4	03-Jan-22			
31	Fluid Mechanics	3	03-Feb-22	8	Hydrocarbon (Alkane/ Alkene/Alkyne)	8	20-Sep-21	10	Plant Kingdom	4	10-Jan-22			
32	Elasticity	1	08-Feb-22	9	Grignard reagent	4	18-Oct-21	11	Living world	1	17-Jan-22			
33	Surface Tension	1	09-Feb-22	10	Aromatic Hydrocarbon (Benzene)	5	11-Nov-21	12	Plant physiology-I	6	18-Jan-22			
34	Viscosity	2	10-Feb-22	11	Aromatic Comp. (Phenol, Aniline, Nitrobenzene)	8	29-Nov-21							
				12	Carbonyl Comp. & Carboxylic acid and derivatives	10	27-Dec-21							
				13	Biomolecules & Polymer	6	31-Jan-22							
Total No. of Lectures				217	Total No. of Lectures				257	Total No. of Lectures				252

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Monday, 5 April, 2021	W-1	A	Monday, 6 September, 2021	W-23	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
					Mathematical Tools, Rectilinear Motion, Projectile & Relative Motion, NLM, Friction, Relative motion, NLM, Friction, Nuclear physics	Thermodynamics, Calorimetry & Thermochemistry	Physical/ Inorganic	Organic	Zoology	Botany	
1	PT-1	NEET	23-05-2021 (Sunday)	02-05-2021 (Wednesday)	Mathematical tools, Rectilinear Motion, Projectile & Relative Motion, NLM, Friction, Relative motion, NLM, Friction, Nuclear physics	Mechanics, Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Structure (upto Quantum number)	IUPAC Nomenclature and Structural Isomerism.	Reprod. in organisms, Reprod. in human- Male & female reproductive tract & gametogenesis	Reproduction in Flowering plants, Application Biology, Plant breeding	3
2	CT-1	NEET	06-06-2021 (Sunday)	16-05-2021 (Wednesday)	Mathematical tools, Rectilinear, Projectile & Relative motion, NLM, Friction, Nuclear physics	Thermodynamics, Calorimetry & Thermochemistry	Mole concept & Atomic structure.	IUPAC Nomenclature & Structural Isomerism, Structural identification (till ozonolysis).	Genetics - principles of inheritance upto polygenic inheritance	Genetics - principles of inheritance	3
3	PT-2	NEET	20-06-2021 (Sunday)	30-05-2021 (Wednesday)	Semiconductor, Nuclear physics	Thermodynamics, Calorimetry & Thermochemistry	Gaseous state and Periodic table.	Structural isomerism, Structural identification & POC.	Human reproduction and reproductive health, Human health and disease	Genetics - principles of inheritance	3
4	CT-2	NEET	04-07-2021 (Sunday)	14-07-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, NLM, Friction, GO, WPE	Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Struct., Gaseous State, Periodic Table, Chem. Bonding (upto Bond order)	IUPAC Nomenclature & Structural isomerism, Stereoisomers	Human health and disease	Genetics - principles of inheritance Complete	3
5	PT-3	NEET	18-07-2021 (Sunday)	28-07-2021 (Wednesday)	NLM, Friction, GO	Thermodynamics, Calorimetry & Thermochemistry	Chemical Bonding	Stereoisomers, GOC (upto electron density)	Reproduction in organism and human, reproductive health, Human health and disease, origin and evolution	Molecular basis of inheritance upto transcription	3
6	CT-3	NEET	01-08-2021 (Sunday)	11-08-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, NLM, Friction, GO, WPE, Circular Motion	Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Struct., Gaseous State, Periodic Table, Chem. Bonding, p-block elements (13 & 14 groups), Solution & Colligative prop. (upto introduction to colligative properties)	IUPAC Nomenclature, Structural isomerism, Stereoisomers, GOC (upto Acids/Strength)	Origin and evolution, biotechnology- 1 & 2	Molecular basis of inheritance complete Ecology organism population	3
7	PT-4	NEET	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Centre of mass, RBD	Thermodynamics, Calorimetry & Thermochemistry	p-block elements (13 & 16 groups), Solution & Colligative properties, Electrochemistry	GOC, Reaction Mechanism of Alkyl / Aryl halide (upto Elimination Reaction of alkylhalide by E1)	Full Syllabus 12th	Ecology-Organism and population, Ecosystem and Environmental issues.	3
8	CT-4	NEET	12-09-2021 (Sunday)	22-09-2021 (Wednesday)	Math. Tools, Rectilinear motion, Projectile Motion, NLM, Friction, GO, WPE, Circular Motion, COM, RBD, SHM, Electrostatics	Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Struct., Gaseous State, Periodic Table, Chem. Bonding, p-block elements (13 & 18 groups), Solution & Colligative prop., Electrochemistry, Coordination Compounds (upto Ambidentate Ligand & Naming of legend)	IUPAC Nomenclature, Structural isomerism, Stereoisomers, GOC, Reaction Mechanism of Alkyl / Aryl halide / Alcohol / Ether	Ecology complete+ cell the unit, of life up to cell membrane	Ecology complete+ cell the unit, of life up to cell membrane	3
9	PT-5	NEET	26-09-2021 (Sunday)	06-10-2021 (Wednesday)	Electrostatics, Gravitation	Thermodynamics, Calorimetry & Thermochemistry	p-block elements (17 & 18 groups), Coordination Compounds	Reaction Mechanism of Alkyl / Aryl halide / Alcohol / Ether	Structural Organisation in Animals	Cell biology-cell The unit of life	3
10	CT-5	NEET	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, NLM, Friction, GO, WPE, Circular Motion, Centre of mass, RBD, SHM, Electrostatics, Gravitation, CE, Capacitance	Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Struct., Gaseous State, Periodic Table, Chem. Bonding, p-block elements (13 & 18 groups), Solution & Colligative prop., Electrochem., Coordination Comp., d-block elem., Chem. Kinetics (upto 1st order reaction)	IUPAC Nomenclature, Struct. isomerism, Stereoisomers, GOC, Reaction Mechanism of Alkyl / Ether Hydrocarbon (Alkene/Alkyne)	Breathing and Exchange of Gases	Ecology + Cell biology + plant physiology II RESPIRATION	3
11	PT-6	NEET	24-10-2021 (Sunday)	03-11-2021 (Wednesday)	Capacitance, EMF	Thermodynamics, Calorimetry & Thermochemistry	d-Block elements & Chemical Kinetics	Hydrocarbon (Alkene/Alkyne)	Digestive system, respiratory system, Circulatory system	Plant Physiology-II Respiration + Photosynthesis upto light Reaction	3
12	CT-6	NEET	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Mathem. Tools, Rectilinear & Projectile Motion, NLM, Friction, GO, WPE, Circular Motion, RBD, SHM, Electrostatics, Gravitation, CE, Capacitance, EMF, MP, Nuclear Physics, Semiconductor, EMW, KTG & Thermodynamics	Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Struct., Gaseous State, Periodic Table, Chem. Bonding, p-block elements (13 & 18 groups), Solution & Colligative prop., Electrochem., Coordination Compounds, d-block elements, Chemical Kinetics, Metallurgy	IUPAC Nomenclature, Structural isomerism, Stereoisomers, GOC, Reaction Mechanism of Alkyl / Aryl halide / Alcohol / Ether, Hydrocarbon (Alkene/Alkyne), Grignard reagent	Cell biology Complete+ Plant Physiology-II Respiration + Photosynthesis	Cell biology Complete+ Plant Physiology-II Complete	3
13	PT-7	NEET	28-11-2021 (Sunday)	08-12-2021 (Wednesday)	EMI, AC	Thermodynamics, Calorimetry & Thermochemistry	Metallurgy, Redox Reaction (Equivalent Concept)	Grignard reagent, Aromatic Hydrocarbon (Benzene)	Digestive system, respiratory system, Circulatory system Excretory Products & their Elimination	Plant Physiology II Complete	3
14	CT-7	NEET	12-12-2021 (Sunday)	22-12-2021 (Wednesday)	Mathematical Tools, Rectilinear & Projectile Motion, NLM, Friction, GO, WPE, Circular Motion, COM, RBD, SHM, Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMV, AC, MP, Nuclear Physics	Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Structure, Gaseous State, Periodic Table, Chem. Bonding, p-block elements (13 & 18 groups), Solution & Colligative properties, Electrochemistry, Coordination Compounds, d-block elements, chemical Kinetics, Metallurgy, Redox reaction, s-block elements	IUPAC Nomenclature, Struct. isomerism, Stereoisomers, GOC, Reaction Mechanism of Alkyl / Ether Hydrocarbon (Alkene/Alkyne), Grignard reagent, Aromatic Hydrocarbon (Benzene), Aromatic comp. (Phenol, Aniline, Nitrobenzene) (upto Special name reaction of Phenol (Fries rearrangement, kolbe-schmidt reaction, claisen reaction, Reimer-tiemann reaction, phenolphthalein indicator etc.))	Plant Physiology II Complete + Plant Morphology upto Corolla	Plant Physiology II Complete + Plant Morphology upto Corolla	3
15	PT-8	NEET	26-12-2021 (Sunday)	05-01-2022 (Wednesday)	Modern Physics, Nuclear Physics, Semiconductor, EMW	Thermodynamics, Calorimetry & Thermochemistry	s-block Elements & Solid State, Surface Chemistry (upto Emulsions, Gels)	Aromatic compound (Phenol, Aniline, Nitrobenzene)	Locomotion and movement, structural organisation of animals	Plant Morphology Complete + Plant Anatomy upto Phloem	3
16	CT-8	NEET	09-01-2022 (Sunday)	19-01-2021 (Wednesday)	Mathematical Tools, Rectilinear & Projectile Motion, NLM, Friction, GO, WPE, Circular Motion, COM, RBD, SHM, Electrostatics, Gravitation, CE, Capacitance, EMF, EMV, AC, MP, Nuclear Physics, Semiconductor, EMW, KTG & Thermodynamics	Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Struct., Gaseous State, Periodic Table, Chem. Bonding, p-block elements (13 & 18 groups), Solution & Colligative properties, Electrochemistry, Coordination Compounds, d-block elements, SA, Surface Chemistry, Chemical Equilibrium (upto Degree of Dissociation, Chemical Equilibrium)	IUPAC Nomenclature, Struct. isomerism, Stereoisomers, GOC, Reaction Mechanism of Alkyl / Ether Hydrocarbon (Alkene/Alkyne), Grignard reagent, Aromatic Hydrocarbon (Benzene), Aromatic comp. (Phenol, Aniline, Nitrobenzene), Carbonyl Comp., Carboxylic acid and derivatives (upto Molecular Orbital and IUPAC nomenclature)	Locomotion and movement + Animal Kingdom (up to Ctenophora)	Plant Anatomy Complete	3
17	PT-9	NEET	23-01-2022 (Sunday)	02-02-2022 (Wednesday)	KTG & thermodynamics, Calorimetry & Thermal Ex., Heat Transfer, String wave	Thermodynamics, Calorimetry & Thermochemistry	Surface Chemistry, Chemical Equilibrium, Ionic Equilibrium (upto pH calculation (SA, SB, mixture of SA, mixture of SB, mixture of SA, SB, WA, WB))	Carbonyl Compound & Carboxylic acid and derivatives (upto Preparation of acid and derivatives)	Animal Kingdom-1 & 2 (up to reptilia)	Biological Classification + Living world + Plant Kingdom	3
18	CT-9	NEET	06-02-2022 (Sunday)	16-02-2022 (Wednesday)	Mathematical Tools, Rectilinear & Projectile Motion, NLM, Friction, GO, WPE, Circular Motion, COM, RBD, SHM, Electrostatics, Gravitation, CE, Capacitance, EMF, EMV, AC, MP, Nuclear Physics, Semiconductor, EMW, KTG & Thermodynamics	Thermodynamics, Calorimetry & Thermochemistry	Mole Concept, Atomic Struct., Gaseous State, Periodic Table, Chem. Bonding, p-block elements (13 & 18 groups), Solution & Colligative prop., Electrochem., Redox reaction, s-block elements, Solid State, Surface Chemistry, Chemical Equilibrium, Ionic Equilibrium	IUPAC Nomenclature, Struct. isomerism, Stereoisomers, GOC, Reaction Mechanism of Alkyl / Ether Hydrocarbon (Alkene/Alkyne), Grignard reagent, Aromatic Hydrocarbon (Benzene), Aromatic comp. (Phenol, Aniline, Nitrobenzene), Carbonyl Compound & Carboxylic acid and derivatives	Locomotion and movement, Animal Kingdom-1 & 2 (up to reptilia)	Biological Classification + Plant Kingdom + Plant Physiology-I	3
19	PT-10	NEET	20-02-2022 (Sunday)	23-02-2022 (Wednesday)	Sound wave, U RD, Error, Fluid mechanics, Elasticity & Viscosity, Surface tension	Thermodynamics, Calorimetry & Thermochemistry	Ionic Equilibrium & Thermochemistry	Biomolecules & Polymer	Animal Kingdom-1 & 2 (up to reptilia)	Biological Classification + Plant Kingdom + Plant Physiology-I	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/ CIs (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

57