

Chapters Plan (JEE & NEET)

Class-Learner (JEE)/Physics

Books: 1. Physics – I, 2. Physics – II, 3. RACE Physics

Ph.	C. No.	Chapter Name	Lec.	Req.	Avl.
I	1	Basic Mathematics	7	42	69
	2	Vectors	9		
	3	Motion in a straight Line	13		
	4	Motion in a plane	13		
II	5	Laws of Motion	10	37	41
	6	Friction	7		
	7	Circular Motion	5		
	8	Kinetic Theory of Gases	6		
	9	Work, Energy & Power	9		
III	10	Centre of Mass & Collision	11	48	48
	11	Rotational Mechanics	12		
	12	Thermodynamics	8		
	13	Thermal Properties of matter	11		
	14	Unit, Dimension & Errors	6		
IV	15	Oscillations	8	45	50
	16	Waves	13		
	17	Mechanical Properties of Fluids	11		
	18	Gravitation	9		
	19	Mechanical Properties of solids	4		

Class-Learner (JEE)/Chemistry

Books: 1. Chemistry – I, 2. Chemistry – II, 3. RACE Chemistry

Ph.	C. No.	Chapter Name	Lec.	Req.	Avl.
I	1	Some basic concepts of chemistry	18	41	69
	2	Structure of atom	12		
	3	Classification of elements and periodicity in properties	11		
II	4	Redox and volumetric calculation	12	38	41
	5	Chemical bonding and molecular structure	19		
	6	Nomenclature	7		
III	7	Thermochemistry	17	48	48
	8	Chemical equilibrium	9		
	9	Ionic equilibrium	15		
	10	Structural isomerism	7		
IV	11	General organic chemistry	18	47	50
	12	P-Block (13Th & 14Th)	7		
	13	Hydrocarbon	22		

Class-Learner (JEE)/Mathematics

Books: 1. Mathematics Text Book
2. RACE Mathematics

Ph.	C. No.	Chapter Name	Lec.	Req.	Avl.
I	1	Sets	5	43	69
	2	Linear Inequalities	16		
	3	Trigonometric Functions & Equations	22		
II	4	Relations & Functions	13	37	41
	5	Quadratic Equation	11		
	6	Sequence & Series	13		
III	7	Binomial Theorem	11	48	48
	8	Straight Lines	12		
	9	Circle	12		
	10	Permutation & Combination	13		
IV	11	Introduction To 3-Dimensional Geometry	1	47	50
	12	Limits	6		
	13	Derivatives	4		
	14	Statistics	3		
	15	Complex Number	12		
	16	Probability (Addition Theorem)	4		
	17	Conic Section	17		

Class-Learner (NEET)/Physics

Books: 1. Physics – I
2. Physics – II
3. RACE Physics

Ph.	C. No.	Chapter Name	Lec.	Req.	Avl.
I	1	Basic Mathematics	7	52	64
	2	Vectors	9		
	3	Motion in a straight Line	13		
	4	Motion in a plane	13		
	5	Unit, Dimension & Errors	10		
II	6	Laws of Motion	7	39	41
	7	Friction	5		
	8	Circular Motion	6		
	16	Kinetic Theory of Gases	9		
	9	Work, Energy & Power	12		
III	10	Centre Of Mass & Collision	14	40	49
	11	Rotational Mechanics	8		
	17	Thermodynamics	12		
	15	Thermal Properties of matter	6		
IV	18	Oscillations	8	45	50
	19	Waves	13		
	14	Mechanical Properties of Fluids	11		
	12	Gravitation	9		
	13	Mechanical Properties of solids	4		

Class-Learner (NEET)/Chemistry

Books: 1. Chemistry – I
2. Chemistry – II
3. RACE Chemistry

Ph.	C. No.	Chapter Name	Lec.	Req.	Avl.
I	1	Some basic concepts of chemistry	18	40	64
	2	Structure of atom	12		
	3	Classification of elements and periodicity in properties	10		
II	4	Redox and volumetric calculation	11	39	41
	5	Chemical bonding & molecular structure	20		
	6	Nomenclature	8		
III	7	Thermodynamics	18	45	49
	8	Chemical equilibrium	9		
	9	Ionic equilibrium	18		
IV	10	Structural isomerism	6	50	50
	11	General organic chemistry	18		
	12	P-Block (13th & 14th)	6		
	13	Hydrocarbon	20		

Class-Learner (NEET)/Botany

Books: 1. Biology Text Book
2. RACE Biology

Ph.	C. No.	Chapter Names	Lec.	Req.	Avl.
I	1	The Living World	9	22	32
	2	Plant Kingdom	13		
II	3	Morphology of Flowering Plants	14	19	19
	4	Anatomy of Flowering Plants 1 (Tissue)	5		
III	5	Anatomy of Flowering Plants 2 (root, stem & Leaf)	5	21	21
	6	Cell-The Unit of Life	16		
IV	7	Cell Cycle & Cell Division	6	23	23
	8	Photosynthesis in Higher Plants	8		
	9	Respiration in Plants	4		
	10	Plant Growth and Development	5		

Class-Learner (NEET)/Zoology

Books: 1. Biology Text Book,
2. RACE Biology

Ph.	C. No.	Chapter Names	Lec.	Req.	Avl.
I	1	Biological Classifications	10	32	32
	2	Animal Kingdom	16		
	3	Structural Organisation In Animals 1 (Animal Tissue)	6		
II	4	Structural Organisation In Animals 2 (Cockroach, Frog)	8	22	22
	5	Biomolecules	14		
III	6	Breathing and Exchange of Gases	10	28	28
	7	Body Fluids & Circulation	9		
	8	Excretory Products & Their Elimination	9		
IV	9	Locomotion & Movement	9	27	27
	10	Neural Control and Coordination	8		
	11	Chemical Coordination and Integration	10		

Class-Focus (JEE)/Physics

Books:

1. Physics – I
2. Physics – II
3. RACE Physics

Ph.	C. No.	NCERT Chap No.	Chapter Name	Lec.	Req.	Avl.
I	1	1	Electrostatics	21	47	47
	2	2	Capacitance	12		
	3	3	Current Electricity	14		
II	4	4	Magnetic Effects of Current	11	32	32
	5	5	Magnetism & Matter	4		
	6	6	Electromagnetic Induction	10		
	7	7	Alternating Currents	5		
	8	8	Electromagnetic Waves	2		
III	9	9	Ray Optics	24	30	30
	10	11	Dual Nature of Matter & Radiation	6		
IV	11	9	Optical Instrument	2	22	22
	12	10	Wave Optics	9		
	13	12,13	Atoms and Nuclei	6		
	14	14	Electronic Devices	5		

Class-Focus (JEE)/Chemistry

Books:

1. Chemistry – I
2. Chemistry – II
3. RACE Chemistry

Ph.	C. No.	NCERT Chap No.	Chapter Name	Lect	Req	Avl
I	1	12	Isomerism– II	14	47	47
	2	2	Solution	8		
	3	9	Co-Ordination Compound	11		
	4	10	Haloalkanes and Haloarenes	14		
II	5	11	Alcohol, Phenol and Ether	11	32	32
	6	3	Electrochemistry	15		
	7	7	P-Block (15th& 16th)	6		
III	8	7	P-Block (17th& 18th)	5	27	30
	9	8	D & F Block Elements	5		
	10	12	Aldehyde and Ketones	10		
	11	12	Carboxylic Acid	7		
IV	12	13	Nitrogen Containing Compound	7	21	22
	13	4	Chemical Kinetics	9		
	14	14	Biomolecules	5		

Class-Focus (JEE)/Mathematics

Books:

1. Mathematics– I
2. Mathematics– II
3. RACE Mathematics

Ph.	C. No.	NCERT Chap No.	Chapter Name	Lec.	Req.	Avl.
I	1	B1-1	Relations And Functions	15	47	47
	2	B1-2	Inverse Trigonometry Function	7		
	3	B1-3	Matrices	7		
	4	B1-4	Determinants	7		
	5	B1-5	Limits, Continuity & Differentiability	11		
II	6	B2-3	Differentiation	4	32	32
	7	B2-2	Applications of Derivatives	14		
	8	B2-1	Indefinite Integrals	14		
III	9	B2-1	Definite Integrals	10	30	30
	10	B2-2	Applications of Integral	5		
	11	B2-3	Differential Equations	6		
	12	B2-7	Probability	9		
IV	13	B2-4	Vector Algebra	9	19	22
	14	B2-5	Three-Dimensional Geometry	8		
	15	B2-6	Linear Programming	2		

Class-Focus (NEET)/Physics

Books:

1. Physics – I
2. Physics – II
3. RACE Physics

Ph.	C. No.	NCERT Chap No.	Chapter Name	Lec.	Req.	Avl.
I	1	1	Electrostatics	20	47	47
	2	2	Capacitance	16		
	3	3	Current Electricity	11		
II	4	4	Magnetic Effects of Current	11	32	32
	5	5	Magnetism & Matter	5		
	6	6	Electromagnetic Induction	10		
	7	7	Alternating Currents	6		
III	8	8	Electromagnetic Waves	2	30	30
	9	9	Ray Optics	20		
	10	11	Dual Nature of Matter & Radiation	5		
	11	9	Optical Instrument	3		
IV	12	10	Wave Optics	10	22	22
	13	12,13	Atoms And Nuclei	5		
	14	14	Electronic Devices	7		

Class-Focus (NEET)/Chemistry

Books:

1. Chemistry – I
2. Chemistry – II
3. RACE Chemistry

Ph.	C. No.	NCERT Chap No.	Chapter Name	Lec.	Req.	Avl.
I	1	12	Isomerism– II	14	47	47
	2	2	Solution	10		
	3	9	Co-Ordination Compound	12		
	4	7	P-Block (15 th & 16 th)	8		
	5	7	P-Block (17 th & 18 th)	3		
II	6	10	Haloalkanes and Haloarenes	20	30	32
	7	11	Alcohol, Phenol and Ether	10		
III	8	3	Electrochemistry	10	30	30
	9	8	D & F Block Elements	6		
	10	12	Aldehyde And Ketones	9		
	11	12	Carboxylic Acid	5		
IV	12	13	Nitrogen Containing Compound	7	20	22
	13	4	Chemical Kinetics	8		
	14	14	Biomolecules	5		

Class-Focus (NEET)/Botany

Books: 1. Biology Text Book
2. RACE Biology

Ph.	C. No.	Chapter Names	Lec.	Req.	Avl
I	1	Sexual Reproduction in Flowering Plants	7	25	25
	2	Principles of Inheritance and Variation	18		
II	3	Molecular Basis of Inheritance	18	18	18
III	4	Microbes In Human Welfare	4	10	15
	5	Organisms and Populations	6		
IV	6	Ecosystem	4	8	8
	7	Biodiversity & Conservation	4		

Class-Focus (NEET)/Zoology

Books: 1. Biology Text Book
2. RACE Biology

Ph.	C. No.	Chapter Names	Lec.	Req.	Avl.
I	1	Human Reproduction	15	20	22
	2	Reproductive Health	5		
II	3	Evolution	14	14	14
III	4	Human Health & Diseases	15	15	15
IV	5	Biotechnology: Principles and Processes	10	14	14
	6	Biotechnology & Its Applications.	4		