

## Part I: Physics

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
<b>Class: XI</b>							
1	Units and Measurements	3			1		
2	Motion in a Straight Line		8		1		
3	Motion in a Plane		15		1		
4	Laws of Motion		21		1		
5	Work, Energy and Power		2, 23		2		
6	System of Particles and Rotational Motion			6	1		
7	Gravitation		4		1		
8	Mechanical Properties of Solids			5	1		
9	Mechanical Properties of Fluids		12		1		
10	Thermal Properties of Matter		26	9	2		
11	Thermodynamics		30		1		
12	Kinetic Theory			25	1		
13	Oscillations				0		
14	Waves		27		1		
15	Practical Skills in Physics		29		1		

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
<b>Class: XII</b>							
1	Electric Charges and Fields		24		1		
2	Electrostatic Potential and Capacitance		1	19	2		
3	Current Electricity	11			1		
4	Moving Charges and Magnetism		13		1		
5	Magnetism and Matter	17			1		
6	Electromagnetic Induction		16		1		
7	Alternating Current	14			1		
8	Electromagnetic Waves		22		1		
9	Ray Optics and Optical Instruments				0		
10	Wave Optics		20		1		
11	Dual Nature of Radiation and Matter	10			1		
12	Atoms		7		1		
13	Nuclei		28		1		
14	Semiconductor Electronics : Materials, Devices and Simple Circuits				0		
15	Practical Skills in Physics		18		1		

## Part II: Chemistry

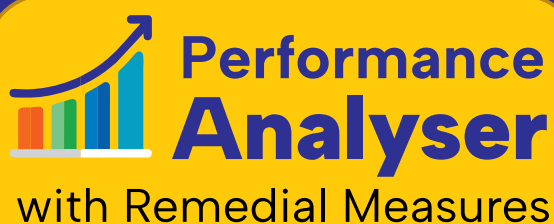
NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
<b>Class: XI</b>							
1	Some Basic Concepts of Chemistry		37		1		
2	Structure of Atom		31	38	2		
3	Classification of Elements and Periodicity in Properties				0		
4	Chemical Bonding and Molecular Structure			52	1		
5	Thermodynamics		51		1		
6	Equilibrium		44		1		
7	Redox Reactions				0		
8	The p-Block Elements (Group 13 & 14)			35, 42	2		
9	Organic Chemistry- Some Basic Principles and Techniques			34	1		
10	Hydrocarbons	59	43, 55	47, 49	5		
<b>Class: XII</b>							
1	Solutions		53		1		
2	Electrochemistry		57, 58		2		
3	Chemical Kinetics		32, 54, 60		3		
4	The p-Block Elements (Gp 15, 16, 17, 18)				0		
5	The d- and f-Block Elements	41	56		2		
6	Coordination Compounds			39	1		
7	Haloalkanes and Haloarenes		45		1		
8	Alcohols, Phenols and Ethers	40			1		
9	Aldehydes, Ketones and Carboxylic Acids			33	1		
10	Amines	50		48	2		
11	Biomolecules			36	1		
12	Principles Related to Practical Chemistry			46	1		



## Part III: Mathematics

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
Class: XI							
1	Sets				0		
2	Relations & Functions				0		
3	Trigonometric Functions		75	63	2		
4	Complex Numbers and Quadratic Equations		62, 87		2		
5	Permutations and Combinations	61			1		
6	Binomial Theorem		80		1		
7	Sequence and Series	81		64	2		
8	Straight Lines				0		
9	Conic Sections	82	66		2		
10	Limits and Derivatives	68			1		
11	Statistics				0		
12	Probability	78			1		

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
<b>Class: XII</b>							
1	Relations and Functions	67	76		2		
2	Inverse Trigonometric Functions		79		1		
3	Matrices				0		
4	Determinants	84	65, 83		3		
5	Continuity and Differentiability	85, 86			2		
6	Application of Derivatives	69			1		
7	Integrals	70, 71			2		
8	Application of Integrals		72		1		
9	Differential Equations				0		
10	Vector Algebra			73	1		
11	Three Dimensional Geometry		74, 88		2		
12	Probability	89	90	77	3		



## Score Calculator

Part/ Subject	Total Questions	Maximum Score	Attempted	Correct	Incorrect	Net Score	Qualifying Marks
Part I : Physics	25	100					68
Part II: Chemistry	25	100					75
Part III: Mathematics	25	100					80

Success Gap = Net Score- Qualifying Score

Net Score = (Correct x4)- (Incorrect x 1)

Question Typology	*Remedial Measures
Conceptual	Revise Theory of Complete Chapter
Application	Revise and Practice Formulae Based Questions
Analysis	Practice Critical Thinking Questions

\*NCERT page locator has been provided against each question in the test paper which will help the student to find and revise the concept used in the asked question from NCERT book.