

Part I: Physics

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
Class: XI							
1	Units and Measurements				0		
2	Motion in a Straight Line			2	1		
3	Motion in a Plane		26		1		
4	Laws of Motion			28	1		
5	Work, Energy and Power		30		1		
6	System of Particles and Rotational Motion	24			1		
7	Gravitation		4		1		
8	Mechanical Properties of Solids		8		1		
9	Mechanical Properties of Fluids		23		1		
10	Thermal Properties of Matter			6	1		
11	Thermodynamics				0		
12	Kinetic Theory		10, 13		2		
13	Oscillations		16		1		
14	Waves	25			1		
15	Practical Skills in Physics			21	1		

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
Class: XII							
1	Electric Charges and Fields		5		1		
2	Electrostatic Potential and Capacitance		22		1		
3	Current Electricity	7			1		
4	Moving Charges and Magnetism			17	1		
5	Magnetism and Matter		9		1		
6	Electromagnetic Induction		3		1		
7	Alternating Current	18			1		
8	Electromagnetic Waves		11		1		
9	Ray Optics and Optical Instruments		1		1		
10	Wave Optics	12			1		
11	Dual Nature of Radiation and Matter			29	1		
12	Atoms		27		1		
13	Nuclei		14		1		
14	Semiconductor Electronics : Materials, Devices and Simple Circuits	19	15		2		
15	Practical Skills in Physics	20			1		

Part II: Chemistry

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
Class: XI							
1	Some Basic Concepts of Chemistry				0		
2	Structure of Atom	53	37		2		
3	Classification of Elements and Periodicity in Properties			35	1		
4	Chemical Bonding and Molecular Structure		44	34	2		
5	Thermodynamics		52		1		
6	Equilibrium		59		1		
7	Redox Reactions				0		
8	The p-Block Elements (Group 13 & 14)				0		
9	Organic Chemistry- Some Basic Principles and Techniques	31, 46			2		
10	Hydrocarbons		32, 40		2		
Class: XII							
1	Solutions		54, 58	45	3		
2	Electrochemistry	49	50		2		
3	Chemical Kinetics		60		1		
4	The p-Block Elements (Gp 15, 16, 17, 18)				0		
5	The d- and f-Block Elements	51	48, 57		3		
6	Coordination Compounds	47			1		
7	Haloalkanes and Haloarenes				0		
8	Alcohols, Phenols and Ethers	36, 43	39, 42		4		
9	Aldehydes, Ketones and Carboxylic Acids	55	33		2		
10	Amines			41	1		
11	Biomolecules		56		1		
12	Principles Related to Practical Chemistry			38	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		64		1		
3	Trigonometric Functions		67		1		
4	Complex Numbers and Quadratic Equations			85, 89	2		
5	Permutations and Combinations		79	90	2		
6	Binomial Theorem		87		1		
7	Sequence and Series		65		1		
8	Straight Lines		69		1		
9	Conic Sections		77, 86		2		
10	Limits and Derivatives	71			1		
11	Statistics			73	1		
12	Probability		75		1		

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
Class: XII							
1	Relations and Functions	61	84	63	3		
2	Inverse Trigonometric Functions		82		1		
3	Matrices			66	1		
4	Determinants	83			1		
5	Continuity and Differentiability		68		1		
6	Application of Derivatives			70	1		
7	Integrals	62	72		2		
8	Application of Integrals		74		1		
9	Differential Equations	76			1		
10	Vector Algebra	81		78	2		
11	Three Dimensional Geometry	80			1		
12	Probability		88		1		

Score Calculator

Part/ Subject	Total Questions	Maximum Score	Attempted	Correct	Incorrect	Net Score	Qualifying Marks
Part I : Physics	25	100					70
Part II: Chemistry	25	100					85
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.