

TEST BOOKLET CODE J6

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		24		1		
3	Motion in a Plane	23			1		
4	Laws of Motion		22		1		
5	Work, Energy and Power		17		1		
6	System of Particles and Rotational Motion		10	5	2		
7	Gravitation		19		1		
8	Mechanical Properties of Solids				0		
9	Mechanical Properties of Fluids			12	1		
10	Thermal Properties of Matter		7		1		
11	Thermodynamics	16			1		
12	Kinetic Theory		14		1		
13	Oscillations		1		1		
14	Waves		29		1		
15	Practical Skills in Physics		27		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			2	1		
2	Electrostatic Potential and Capacitance		28		1		
3	Current Electricity			8	1		
4	Moving Charges and Magnetism		21		1		
5	Magnetism and Matter	3			1		
6	Electromagnetic Induction		11		1		
7	Alternating Current	6			1		
8	Electromagnetic Waves		13		1		
9	Ray Optics and Optical Instruments		25		1		
10	Wave Optics		15	15	1		
11	Dual Nature of Radiation and Matter		26		1		
12	Atoms		4		1		
13	Nuclei		30		1		
14	Semiconductor Electronics : Materials, Devices and Simple Circuits		9, 20		2		
15	Practical Skills in Physics				0		

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			41	1		
2	Structure of Atom	35	54		2		
3	Classification of Elements and Periodicity in Properties				0		
4	Chemical Bonding and Molecular Structure			43, 58	2		
5	Thermodynamics		53		1		
6	Equilibrium	31		59	2		
7	Redox Reactions	55			1		
8	The p-Block Elements (Group 13 & 14)				0		
9	Organic Chemistry- Some Basic Principles and Techniques	48		32	2		
10	Hydrocarbons	42,45,49		52	4		
Class: XII							
1	Solutions		51,56,57	44	4		
2	Electrochemistry		60		1		
3	Chemical Kinetics				0		
4	The p-Block Elements (Gp 15, 16, 17, 18)				0		
5	The d- and f-Block Elements	37			1		
6	Coordination Compounds	39		46, 50	3		
7	Haloalkanes and Haloarenes	33			1		
8	Alcohols, Phenols and Ethers			38, 47	2		
9	Aldehydes, Ketones and Carboxylic Acids			40	1		
10	Amines				0		
11	Biomolecules			36	1		
12	Principles Related to Practical Chemistry	34			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	82	83,86	63, 74	5		
4	Complex Numbers and Quadratic Equations	76	68, 80		3		
5	Permutations and Combinations		65		1		
6	Binomial Theorem		64	85	2		
7	Sequence and Series		62		1		
8	Straight Lines		67		1		
9	Conic Sections		71, 72		2		
10	Limits and Derivatives	88		84	2		
11	Statistics				0		
12	Probability				0		

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				0		
2	Inverse Trigonometric Functions				0		
3	Matrices			77	1		
4	Determinants	70			1		
5	Continuity and Differentiability	79			1		
6	Application of Derivatives				0		
7	Integrals		61, 78	73	3		
8	Application of Integrals		90		1		
9	Differential Equations	66			1		
10	Vector Algebra	75	87	89	3		
11	Three Dimensional Geometry	69			1		
12	Probability		81		1		



Performance Analyser

with Remedial Measures

Score Calculator

Part/ Subject	Total Questions	Maximum Score	Attempted	Correct	Incorrect	Net Score	Qualifying Marks
Part I : Physics	25	100					65
Part II: Chemistry	25	100					85
Part III: Mathematics	25	100					70

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.