

TEST BOOKLET CODE J1

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		3		1		
2	Motion in a Straight Line			5	1		
3	Motion in a Plane		8		1		
4	Laws of Motion			27	1		
5	Work, Energy and Power		13		1		
6	System of Particles and Rotational Motion		28	15	2		
7	Gravitation	17			1		
8	Mechanical Properties of Solids		1		1		
9	Mechanical Properties of Fluids		30		1		
10	Thermal Properties of Matter		22		1		
11	Thermodynamics		16		1		
12	Kinetic Theory	10			1		
13	Oscillations		29		1		
14	Waves			12	1		
15	Practical Skills in Physics			23	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		4		1		
3	Current Electricity		6		1		
4	Moving Charges and Magnetism	18			1		
5	Magnetism and Matter				0		
6	Electromagnetic Induction		26		1		
7	Alternating Current		7		1		
8	Electromagnetic Waves		21		1		
9	Ray Optics and Optical Instruments			24	1		
10	Wave Optics		20		1		
11	Dual Nature of Radiation and Matter	14			1		
12	Atoms		11		1		
13	Nuclei	9			1		
14	Semiconductor Electronics : Materials, Devices and Simple Circuits		19		1		
15	Practical Skills in Physics		25		1		



**Performance
Analyser**

with Remedial Measures

TEST BOOKLET CODE J1

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		53		1		
2	Structure of Atom		51		1		
3	Classification of Elements and Periodicity in Properties		33,34		2		
4	Chemical Bonding and Molecular Structure	32	52		2		
5	Thermodynamics	38	56		2		
6	Equilibrium	36			1		
7	Redox Reactions	35	37		2		
8	The p-Block Elements (Group 13 & 14)			40, 46	2		
9	Organic Chemistry- Some Basic Principles and Techniques	31		42	2		
10	Hydrocarbons		49		1		
Class: XII							
1	Solutions		57		1		
2	Electrochemistry	54	58		2		
3	Chemical Kinetics	48			1		
4	The p-Block Elements (Gp 15, 16, 17, 18)				0		
5	The d- and f-Block Elements		44, 50,59		3		
6	Coordination Compounds		60		1		
7	Haloalkanes and Haloarenes				0		
8	Alcohols, Phenols and Ethers		39		1		
9	Aldehydes, Ketones and Carboxylic Acids	45			1		
10	Amines		47		1		
11	Biomolecules		55	41	2		
12	Principles Related to Practical Chemistry			43	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	63			1		
3	Trigonometric Functions	65	83		2		
4	Complex Numbers and Quadratic Equations			68, 85	2		
5	Permutations and Combinations		75		1		
6	Binomial Theorem		77		1		
7	Sequence and Series			78, 88	2		
8	Straight Lines			84, 89	2		
9	Conic Sections			70	1		
10	Limits and Derivatives	74, 86			2		
11	Statistics	87			1		
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	72			1		
2	Inverse Trigonometric Functions				0		
3	Matrices	64			1		
4	Determinants		62, 69		2		
5	Continuity and Differentiability			90	1		
6	Application of Derivatives	61, 67			2		
7	Integrals	79, 81			2		
8	Application of Integrals		71		1		
9	Differential Equations	80			1		
10	Vector Algebra	73, 82			2		
11	Three Dimensional Geometry			76	1		
12	Probability		66		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					80
Part III: Mathematics	25	100					85

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.