

TEST BOOKLET CODE J3

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		21		1		
2	Motion in a Straight Line		4		1		
3	Motion in a Plane		25	27	2		
4	Laws of Motion		22		1		
5	Work, Energy and Power		24		1		
6	System of Particles and Rotational Motion			30	1		
7	Gravitation		7		1		
8	Mechanical Properties of Solids		9		1		
9	Mechanical Properties of Fluids		11		1		
10	Thermal Properties of Matter		13		1		
11	Thermodynamics		15		1		
12	Kinetic Theory		17		1		
13	Oscillations	19			1		
14	Waves		2		1		
15	Practical Skills in Physics				0		

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		1		1		
2	Electrostatic Potential and Capacitance		28		1		
3	Current Electricity		20, 29		2		
4	Moving Charges and Magnetism		23		1		
5	Magnetism and Matter						
6	Electromagnetic Induction		8		1		
7	Alternating Current		10		1		
8	Electromagnetic Waves	3			1		
9	Ray Optics and Optical Instruments		5		1		
10	Wave Optics		6	26	2		
11	Dual Nature of Radiation and Matter		12		1		
12	Atoms			14	1		
13	Nuclei				0		
14	Semiconductor Electronics : Materials, Devices and Simple Circuits	16			1		
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			
Class: XI							
1	Some Basic Concepts of Chemistry				0		
2	Structure of Atom		31		1		
3	Classification of Elements and Periodicity in Properties				0		
4	Chemical Bonding and Molecular Structure			32	1		
5	Thermodynamics		57	35	2		
6	Equilibrium	56	55, 52	36	4		
7	Redox Reactions				0		
8	The p-Block Elements (Group 13 & 14)			33	1		
9	Organic Chemistry- Some Basic Principles and Techniques		51	39, 58	3		
10	Hydrocarbons		48, 50		2		
Class: XII							
1	Solutions		54		1		
2	Electrochemistry		51	37	2		
3	Chemical Kinetics		44	60	2		
4	The p-Block Elements (Gp 15, 16, 17, 18)				0		
5	The d- and f-Block Elements	45			1		
6	Coordination Compounds			38,42,46	3		
7	Haloalkanes and Haloarenes				0		
8	Alcohols, Phenols and Ethers	34, 43		40	3		
9	Aldehydes, Ketones and Carboxylic Acids				0		
10	Amines				0		
11	Biomolecules	53			1		
12	Principles Related to Practical Chemistry			47,41,49	3		



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		66		1		
3	Trigonometric Functions			87	1		
4	Complex Numbers and Quadratic Equations	67, 85			2		
5	Permutations and Combinations		73		1		
6	Binomial Theorem		76		1		
7	Sequence and Series				0		
8	Straight Lines		77, 81		2		
9	Conic Sections			71	1		
10	Limits and Derivatives	69			1		
11	Statistics	86		83	2		
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	61			1		
2	Inverse Trigonometric Functions			62, 88	2		
3	Matrices			64	1		
4	Determinants		74		1		
5	Continuity and Differentiability	78	72	75	3		
6	Application of Derivatives	84			1		
7	Integrals	79		70	2		
8	Application of Integrals		80		1		
9	Differential Equations	68	89		2		
10	Vector Algebra		65		1		
11	Three Dimensional Geometry			90	1		
12	Probability		63, 82		2		

Score Calculator

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