

# TEST BOOKLET CODE J11

## 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				0		
2	Motion in a Straight Line		8		1		
3	Motion in a Plane		28		1		
4	Laws of Motion		11	16	2		
5	Work, Energy and Power		10		1		
6	System of Particles and Rotational Motion	9	14		2		
7	Gravitation	3			1		
8	Mechanical Properties of Solids			26	1		
9	Mechanical Properties of Fluids				0		
10	Thermal Properties of Matter	5			1		
11	Thermodynamics	19	7		2		
12	Kinetic Theory				0		
13	Oscillations		30		1		
14	Waves		21		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			
<b>Class: XII</b>							
1	Electric Charges and Fields			1	1		
2	Electrostatic Potential and Capacitance				0		
3	Current Electricity	4	25		2		
4	Moving Charges and Magnetism		6		1		
5	Magnetism and Matter		29		1		
6	Electromagnetic Induction				0		
7	Alternating Current		20		1		
8	Electromagnetic Waves				0		
9	Ray Optics and Optical Instruments	15	24		2		
10	Wave Optics				0		
11	Dual Nature of Radiation and Matter		17		1		
12	Atoms		18		1		
13	Nuclei	2		13	2		
14	Semiconductor Electronics : Materials, Devices and Simple Circuits	12		27	2		
15	Practical Skills in Physics		22		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		31	48	2		
2	Structure of Atom		51	32	2		
3	Classification of Elements and Periodicity in Properties	56		36	2		
4	Chemical Bonding and Molecular Structure			37, 38	2		
5	Thermodynamics		52		1		
6	Equilibrium	47	53		2		
7	Redox Reactions	46			1		
8	The p-Block Elements (Group 13 & 14)			45	1		
9	Organic Chemistry- Some Basic Principles and Techniques			44	1		
10	Hydrocarbons	42, 43		59	3		
<b>Class: XII</b>							
1	Solutions	39	33		2		
2	Electrochemistry		55	49	2		
3	Chemical Kinetics	50			1		
4	The p-Block Elements (Gp 15, 16, 17, 18)				0		
5	The d- and f-Block Elements			57	1		
6	Coordination Compounds	58			1		
7	Haloalkanes and Haloarenes	34		54	2		
8	Alcohols, Phenols and Ethers	35			1		
9	Aldehydes, Ketones and Carboxylic Acids			60	1		
10	Amines				0		
11	Biomolecules	40			1		
12	Principles Related to Practical Chemistry			41	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		72		1		
3	Trigonometric Functions			61	1		
4	Complex Numbers and Quadratic Equations		74		1		
5	Permutations and Combinations		62	63	2		
6	Binomial Theorem	88			1		
7	Sequence and Series		87	71, 81	3		
8	Straight Lines				0		
9	Conic Sections	85	79		2		
10	Limits and Derivatives				0		
11	Statistics			89	1		
12	Probability			82, 83	2		

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	75			1		
4	Determinants				0		
5	Continuity and Differentiability	64, 86	67		3		
6	Application of Derivatives	76, 78			2		
7	Integrals	80, 90		69	3		
8	Application of Integrals		77		1		
9	Differential Equations				0		
10	Vector Algebra	68		73	2		
11	Three Dimensional Geometry	66	65	70	3		
12	Probability		84		1		

## Score Calculator

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