

# TEST BOOKLET CODE J5

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



**Performance  
Analyser**

with Remedial Measures

# TEST BOOKLET CODE J5

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

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.