

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	5	18	49			
2	Motion in a Straight Line		21	6			
3	Motion in a Plane	2					
4	Laws of Motion		11	7			
5	Work, Energy and Power	27	33				
6	System of Particles and Rotational Motion		22				
7	Gravitation	15	23				
8	Mechanical Properties of Solids			16			
9	Mechanical Properties of Fluids	17, 45	24				
10	Thermal Properties of Matter						
11	Thermodynamics	36					
12	Kinetic Theory		37, 42				
13	Oscillations		43				
14	Waves			44			
15	Practical Skills in Physics	9					

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			
2	Electrostatic Potential and Capacitance			19, 28			
3	Current Electricity		38	20			
4	Moving Charges and Magnetism			4, 29			
5	Magnetism and Matter	10					
6	Electromagnetic Induction			30			
7	Alternating Current	21	12	31			
8	Electromagnetic Waves	13, 32					
9	Ray Optics and Optical Instruments	34, 41	14	8			
10	Wave Optics		35	26, 40			
11	Dual Nature of Radiation and Matter			25, 50			
12	Atoms			46			
13	Nuclei			47			
14	Semiconductor Electronics : Materials, Devices and Simple Circuits	48					
15	Practical Skills in Physics			3			

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	60			1		
2	Structure of Atom	55	73		2		
3	Classification of Elements and Periodicity in Properties	68			1		
4	Chemical Bonding and Molecular Structure		74, 79, 88		3		
5	Thermodynamics		52	99	2		
6	Equilibrium	81	63, 91		3		
7	Redox Reactions		85		1		
8	The p-Block Elements (Group 13 & 14)	70			1		
9	Organic Chemistry- Some Basic Principles and Techniques	65	94		2		
10	Hydrocarbons	97		57	2		
Class: XII							
1	Solutions	64	80		2		
2	Electrochemistry	51, 62	93		3		
3	Chemical Kinetics	69	87, 96		3		
4	The p-Block Elements (Gp 15, 16, 17, 18)	78			1		
5	The d- and f-Block Elements	72		76	2		
6	Coordination Compounds	66	53, 86		3		
7	Haloalkanes and Haloarenes	58, 89			2		
8	Alcohols, Phenols and Ethers	56, 77	54, 82, 95		5		
9	Aldehydes, Ketones and Carboxylic Acids	71, 75, 98			3		
10	Amines	61, 67, 84			3		
11	Biomolecules	92, 100			2		
12	Principles Related to Practical Chemistry	83, 90	59		3		

Part III: Botany

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
Class: XI							
1	The Living World	103			1		
2	Biological Classification	145		138	2		
3	Plant Kingdom	132, 144			2		
5	Morphology of Flowering Plants	109, 118,			3		
6	Anatomy of Flowering Plants	111		120, 139	3		
8	Cell: The Unit of Life	114		137, 143	3		
10	Cell Cycle and Cell Division	102, 123, 128, 141	150		5		
11	Photosynthesis in Higher Plants	105, 125, 129, 148			4		
12	Respiration in Plants	112, 115, 131, 133			4		
13	Plant Growth and Development	101, 117, 122			3		
Class: XII							
1	Sexual Reproduction in Flowering Plants	127		130	2		
4	Principles of Inheritance and Variation	110, 126,		140	4		
5	Molecular Basis of Inheritance	108, 113, 116, 135, 149		146	6		
8	Microbes in Human Welfare	136			1		
11	Organisms and Populations	119			1		
12	Ecosystem	107, 121		124	3		
13	Biodiversity and Conservation	104, 106		142	3		

Part IV: Zoology

NCERT Chapter No.	Chapter Name	Question Number with Skills Typology			Total Qns	Correct	Incorrect
		Concept/ Fact	Appli- cation	Analysis			
Class: XI							
4	Animal Kingdom	162, 180, 187		156	4		
7	Structural Organisation in Animals	157, 191		154, 178	4		
9	Biomolecules	151, 169, 175, 171			4		
14	Breathing and Exchange of Gases	174		159	2		
15	Body Fluids and Circulation	166		189, 199	3		
16	Excretory Products and their Elimination			170, 185	2		
17	Locomotion and Movement	184		193	2		
18	Neural Control and Coordination			164, 186	2		
19	Chemical Coordination and Integration			161, 192	2		
Class: XII							
2	Human Reproduction	172, 190		177, 195	4		
3	Reproductive Health	152, 163		188	3		
6	Evolution		183	167, 194	3		
7	Human Health and Disease	181, 165, 165		168, 176, 197	6		
9	Biotechnology: Principles and Processes	173, 179, 182, 200		158	5		
10	Biotechnology and its Applications	155, 160, 198		153	4		

Score Calculator

Part/ Subject	Total Questions	Maximum Score	Attempted	Correct	Incorrect	Net Score	Qualifying Marks
Part I : Physics	45	180					140
Part II: Chemistry	45	180					125
Part III: Botany	45	180					130
Part IV: Zoology	45	180					140

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.