

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, 28				
2	Motion in a Straight Line		29				
3	Motion in a Plane		6	16, 30			
4	Laws of Motion	11	32	7			
5	Work, Energy and Power			18			
6	System of Particles and Rotational Motion	40		13			
7	Gravitation	41	49				
8	Mechanical Properties of Solids			15			
9	Mechanical Properties of Fluids	45					
10	Thermal Properties of Matter		22				
11	Thermodynamics						
12	Kinetic Theory	24	3	48			
13	Oscillations	25	47				
14	Waves		26				
15	Practical Skills in Physics		20				

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		33				
2	Electrostatic Potential and Capacitance		1, 42				
3	Current Electricity	2, 17					
4	Moving Charges and Magnetism	23		35, 50			
5	Magnetism and Matter	43					
6	Electromagnetic Induction		4, 10				
7	Alternating Current		9	44			
8	Electromagnetic Waves		31				
9	Ray Optics and Optical Instruments	26, 39		12			
10	Wave Optics	17					
11	Dual Nature of Radiation and Matter			8, 37			
12	Atoms	19					
13	Nuclei	38, 46					
14	Semiconductor Electronics : Materials, Devices and Simple Circuits		27	14, 21			
15	Practical Skills in Physics						

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

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	126			1		
2	Biological Classification			105	1		
3	Plant Kingdom	101, 138		118	3		
5	Morphology of Flowering Plants	122		107, 150	3		
6	Anatomy of Flowering Plants	112		124, 135	3		
8	Cell: The Unit of Life	114		142, 148	3		
10	Cell Cycle and Cell Division	104, 110, 128, 130		120, 139	6		
11	Photosynthesis in Higher Plants	108, 116		131, 144	4		
12	Respiration in Plants	136, 146		102	3		
13	Plant Growth and Development	106, 121,		145	4		
Class: XII							
1	Sexual Reproduction in Flowering Plants	115, 127		141	3		
4	Principles of Inheritance and Variation	123	111, 140	149	4		
5	Molecular Basis of Inheritance	113, 129, 133, 143		119	5		
8	Microbes in Human Welfare			109	1		
11	Organisms and Populations		147	103	2		
12	Ecosystem	117, 134		137	3		
13	Biodiversity and Conservation	125			1		

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	155, 183,		162	4		
7	Structural Organisation in Animals	152, 165, 178		191	4		
9	Biomolecules	158, 185		173, 200	4		
14	Breathing and Exchange of Gases			198	1		
15	Body Fluids and Circulation			157, 193	2		
16	Excretory Products and their Elimination	154, 161, 197		168	4		
17	Locomotion and Movement	170		199	2		
18	Neural Control and Coordination	180		164	2		
19	Chemical Coordination and Integration			187	1		
Class: XII							
2	Human Reproduction	160, 182, 189		153	4		
3	Reproductive Health	151, 163, 171		177, 195	5		
6	Evolution	192		159, 176	3		
7	Human Health and Disease	166, 175, 190		179, 186	5		
9	Biotechnology: Principles and Processes	156, 167, 172, 188		184, 196	6		
10	Biotechnology and its Applications	169, 174,		181	3		

Score Calculator

Part/ Subject	Total Questions	Maximum Score	Attempted	Correct	Incorrect	Net Score	Qualifying Marks
Part I : Physics	45	180					120
Part II: Chemistry	45	180					130
Part III: Botany	45	180					130
Part IV: Zoology	45	180					145

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.