

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	22		6, 45			
2	Motion in a Straight Line		23				
3	Motion in a Plane		7				
4	Laws of Motion	13	32	1			
5	Work, Energy and Power			14			
6	System of Particles and Rotational Motion		8				
7	Gravitation		2, 15				
8	Mechanical Properties of Solids		26				
9	Mechanical Properties of Fluids			19, 30			
10	Thermal Properties of Matter			33			
11	Thermodynamics						
12	Kinetic Theory		34, 39, 48		43		
13	Oscillations	40	24				
14	Waves			44, 49			
15	Practical Skills in Physics						

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	31	3				
2	Electrostatic Potential and Capacitance		25, 35	4			
3	Current Electricity			5, 36			
4	Moving Charges and Magnetism		9	37			
5	Magnetism and Matter	10					
6	Electromagnetic Induction			11			
7	Alternating Current			12, 21			
8	Electromagnetic Waves	16					
9	Ray Optics and Optical Instruments	28, 41	17				
10	Wave Optics		18, 42				
11	Dual Nature of Radiation and Matter	20	46	29			
12	Atoms		47				
13	Nuclei		21				
14	Semiconductor Electronics : Materials, Devices and Simple Circuits		27	50			
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		78		1		
2	Structure of Atom	76	58		2		
3	Classification of Elements and Periodicity in Properties	64			1		
4	Chemical Bonding and Molecular Structure	65, 80	53		3		
5	Thermodynamics	67	54		2		
6	Equilibrium	82	62, 69		3		
7	Redox Reactions		85		1		
8	The p-Block Elements (Group 13 & 14)	60			1		
9	Organic Chemistry- Some Basic Principles and Techniques	72, 92			2		
10	Hydrocarbons	56, 97			2		
Class: XII							
1	Solutions	59	88		2		
2	Electrochemistry	63	93, 96		3		
3	Chemical Kinetics	77	91, 98		3		
4	The p-Block Elements (Gp 15, 16, 17, 18)	71			1		
5	The d- and f-Block Elements	75, 84			2		
6	Coordination Compounds	74	52	95	3		
7	Haloalkanes and Haloarenes	55	81		2		
8	Alcohols, Phenols and Ethers	66, 79	99		3		
9	Aldehydes, Ketones and Carboxylic Acids	51, 87	61, 94	90	5		
10	Amines	57, 70, 83			3		
11	Biomolecules		89	73	2		
12	Principles Related to Practical Chemistry	68, 100	86		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	133			1		
2	Biological Classification			127	1		
3	Plant Kingdom	124, 141		116	3		
5	Morphology of Flowering Plants	119		103, 145	3		
6	Anatomy of Flowering Plants	109, 149		137	3		
8	Cell: The Unit of Life	147		128	2		
10	Cell Cycle and Cell Division	105, 129, 139, 148		114, 120	6		
11	Photosynthesis in Higher Plants	143	122	102	3		
12	Respiration in Plants	135, 150		117, 130	4		
13	Plant Growth and Development	123, 125		110	3		
Class: XII							
1	Sexual Reproduction in Flowering Plants	104	126	142	3		
4	Principles of Inheritance and Variation	101, 111	146	112, 138	5		
5	Molecular Basis of Inheritance	106, 118, 134, 144		108	5		
8	Microbes in Human Welfare			131	1		
11	Organisms and Populations	113, 132		136	3		
12	Ecosystem	107, 121			2		
13	Biodiversity and Conservation	115, 140			2		

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	163, 172, 193		181	4		
7	Structural Organisation in Animals	156, 189		158, 178	4		
9	Biomolecules	184, 185		153, 165	4		
14	Breathing and Exchange of Gases			194	1		
15	Body Fluids and Circulation	160		197	2		
16	Excretory Products and their Elimination	151, 167, 175		188	4		
17	Locomotion and Movement	171		200	2		
18	Neural Control and Coordination	190		177	2		
19	Chemical Coordination and Integration	169		199	2		
Class: XII							
2	Human Reproduction	152, 174		157, 191	4		
3	Reproductive Health	154, 161, 183		186	4		
6	Evolution	170, 180		155	3		
7	Human Health and Disease	159, 176, 198		166, 187	5		
9	Biotechnology: Principles and Processes	179, 195	168, 192	173, 182	6		
10	Biotechnology and its Applications	162, 164, 196			3		

Score Calculator

Part/ Subject	Total Questions	Maximum Score	Attempted	Correct	Incorrect	Net Score	Qualifying Marks
Part I : Physics	45	180					135
Part II: Chemistry	45	180					130
Part III: Botany	45	180					140
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.