

Question Paper Part	Question Type	Number of Questions	Marks
PART - A	MCQ's	15/15	15/15
PART - A	Fill in the blanks	05/05	05/05
PART -B	Short Answer (SA = 02 Marks)	03/06	06/12
PART - C	Short Answer (SA = 03 Marks) Inorganic Chemistry	03/06	09/18
PART - C	Short Answer (SA = 03 Marks) Physical Chemistry	02/04	06/12
PART- D	Long Answer (LA = 05Marks)	04/07	20/35
PART - E	Short Answer (SA = 03Marks) Numerical problems	03/06	09/18
	Total	35/49	70/115

WEIGHTAGE

Objectives	Number of Questions	Marks	Percentage
Remember	20	46	40%
Understanding	15	35	30%
Apply	07	19	17%
Hots	07	15	13%
Total	49	115	100%

Chapter/ Content domain/ Unit/ Theme	Number of hours	Marks	Remember (≈ 40%)				Understand (≈ 30%)				Apply (≈ 15 TO 20%)				HOTS (≈ 10 TO 15%)			
			VSA (01Mark)	SA (02 Marks)	SA (03 Marks)	LA	VSA (01 Mark)	SA (02 Marks)	SA (03 Marks)	LA	VSA (01 Mark)	SA (02 Marks)	SA (03 Marks)	LA	VSA (01 Mark)	SA (02 Marks)	SA (03 Marks)	LA
Physical Chemistry																		
Solutions	14	13	1	-	1 (T)	-	-	-	-	-	1	1	1 (NP)	-	-	-	1 (NP)	-
Electrochemistry	14	14	1	-	1 (T)	-	-	-	1 (T)	-	-	-	-	-	1	-	2 (NP)	-
Chemical Kinetics	14	13	1	-	1 (T)	-	1	1	-	-	-	-	1 (NP)	-	-	-	1 (NP)	-
Inorganic Chemistry																		
The d & f - Block Elements	12	11	1	-	1	-	-	-	1	-	-	-	1	-	1	-	-	-
Coordination Compounds	12	12	-	-	2	-	1	1	1	-	-	-	-	-	-	-	-	-
Organic Chemistry																		
Haloalkanes and Haloarenes	10	09	1	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-
Alcohols, Phenols and Ethers	12	12	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-
Aldehydes, Ketones and Carboxylic Acids	14	14	1	1	-	1	1	-	-	-	-	-	-	1	-	-	-	-
Amines	08	08	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-
Biomolecules	10	09	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-
Total Teaching Hours & Marks	120	115	09	04	18	15	07	04	09	15	01	04	09	05	03	00	12	00
			46				35				19				15			
Total Questions		49	09	02	06	03	07	02	03	03	01	02	03	01	03	00	04	00

1. Weightage = Total marks/Number of teaching hours = 115/120 = 0.96 (i.e., 0.96marks for each hour)

2. Choice = out of 49 Questions only 35 Questions are to be answered.

Note: T = Theory; NP = Numerical Problems; VSA = Very Short Answer (MCQ's and Fill in the Blanks); SA= Short Answer; LA = Long Answer

GENERAL GUIDE LINES:

1. Questions should not be vague and ambiguous. Answers should be available in the prescribed NCERT text book or based on the contents in the prescribed text book.
2. Intermixing of questions of different units is not allowed. 5 marks question may be framed as (3+2) as far as possible.
3. Avoid questions from:
 - a. Drawings involving 3D diagrams
 - b. The boxed materials with deep yellow bar in the text book are to bring additional life to the topic and are non-evaluative.
4. Questions on numerical data given in the form of appendix, numbered tables containing experimental data and life history of scientists given in the chapters should be avoided.
5. Frame the questions in such a way to strictly avoid $\frac{1}{2}$ mark evaluation (or avoid value points for $\frac{1}{2}$ marks.).
6. While framing Physical chemistry units (Unit 1, 2 & 3) questions for Part -A, B and C should not be Numerical problems. The Numerical Problems of these Units should be framed only in Part-E. This division is done to make for the students to learn and attempt to solve the Numerical Problems.
7. Application and HOTS (Higher Order Thinking Skills) questions can be selected from any chapter without changing the weightage of the chapter.