

QUESTION PAPER DESIGN
CHEMISTRY XI

Subject:- Chemistry

Class:- XI

Marks:- 70

Duration:- 3 Hours

1. Weightage by objectives

Objective	Marks	Percentage of total marks
Knowledge	28	40.0
Understanding	21	30.0
Application	14	20.0
Skill	07	10.0

2. Weightage by types of questions

Type	Number of Questions	Max. Marks	Total	Estimated time a candidate is expected to take
Long answer questions	3	5	15	$9 \times 3 = 27$ min
Short answer questions	9	3	27	$9 \times 6 = 54$ min
Very short answer questions	10	2	20	$10 \times 5 = 50$ min
Objective type questions (4 MCQs + 4 fixed answer type)	8	1	08	$8 \times 3 = 24$ min
	30		70	155 min

25 min for reading of question paper and revision
[Total time: 155 min + 25 min = 180 min]

3. Weightage by content

Unit/Sub-units	Marks
1. Some Basic Concepts of Chemistry	5
2. Structure of Atom	5
3. Classification of Elements and Periodicity in Properties	4
4. Chemical Bonding	6
5. States of Matter : Gases and Liquids	5
6. Thermodynamics	7
7. Equilibrium	8
8. Redox Reactions	3
9. Hydrogen	3
10. s-Block Elements (Alkali and alkaline Earth Metals)	5
11. Some p-Block Elements	6

12. Organic Chemistry- Some Basic Principles and Techniques	5
13. Hydrocarbons	6
14. Environmental Chemistry	2
Total	70

4. Difficulty level of the question paper

Level	Marks	Percentage of marks
Difficult	14	20.0
Average	35	50.0
Easy	21	30.0