

**CLASS-XII
CHEMISTRY**

Time:3Hrs

**Theory: 70Marks
Practical: 25Marks
INA : 5Marks
Total: 100Marks**

STRUCTURE OF QUESTION PAPER (THEORY)

1. There will be one theory paper comprising of 17 questions. All questions are compulsory.
2. Question no. 1 will have 28 sub parts and each part will carry 1 mark. All questions are compulsory. This question will be of multiple choice, numerical, true false and comprehensive.
3. Question no. 2 to 11 will be of two marks each. There will be internal choice in four questions. All questions are compulsory.
4. Question no. 12 to 15 will be of three marks each. There will be internal choice in two questions. All questions are compulsory.
5. Question no. 16 to 17 will be of five marks each. There will be internal choice in them.
6. Distribution of marks over different dimensions of the paper will be as follows.

LEARNING OUTCOMES	PERCENTAGE OF MARKS
KNOWLEDGE	36%
UNDERSTANDING	44%
APPLICATION	20%
Total	100%

7. Use of un-programmable calculator is allowed. The log tables can be used.
8. Total weightage of numerical will be around 20%

UNITWISE DISTRIBUTION OF MARKS

SR.NO	UNIT	TOTAL MARK
1	Solid State	05
2	Solutions	05
3	Electro-chemistry	04
4	Chemical-kinetics	05
5	Surface chemistry	05
6	General principles & process of isolation of elements	02
7	p-block elements	07
8	d & f-block elements	07
9	Coordination number	04
10	Haloalkanes & Haloarenes	05
11	Alcohol, Phenols & Ether	04
12	Aldehyde, Ketons & Carboxylic acids	05
13	Organic compounds containing Nitrogen compounds	03
14	Biomolecules	03
15	Polymers	04
16	Chemistry in everyday life	02
	TOTAL QUESTIONS & TOTAL MARKS	T.Q=17 T.M=70

Total Question in paper = 17

SCHEMATIC DISTRIBUTION OF MARKS

Sr. No	UNIT	1 MARK	2 MARK	3 MARK	5 MARK	TOTAL MARK
1	Solid State	1 T (M.C.Q.)	1N (internal choice question)+ 1T	-	-	05
2	Solutions	2T+1N (MCQ)	1 N (Internal Choice Question)		-	05
3	Electro-chemistry	1 T (M.C.Q.)		1 N (internal choice question)	-	04
4	Chemical-kinetics		1N (internal choice question)	1N		05
5	Surface chemistry	5 (comprehension)				05
6	General principles & process of isolation of elements		1T	-		02
7	p-block elements	2T (M.C.Q.)	1T	1 T	-	07
8	d & f-block elements	-	1 T	-	1T (internal choice question)	07
9	Coordination number	2 T (M.C.Q.)	1 T	-	-	04
10	Haloalkanes&Haloarenes	-	-	-	1T (internal choice question)	05
11	Alcohol, Phenols & Ether	1T (MCQ)	-	1T (internal choice Question)	-	04
12	Aldehyde, Ketons&Carboxylic acids	2 T (MCQ) + 1 (T/F)	1T (internal choice question)	-	-	05
13	Organic compounds containing Nitrogen compounds	2 T (M.C.Q.) + 1(T/F)				03
14	Biomolecules	2 T (M.C.Q.) + 1(T/F)				03
15	Polymers	1T (M.C.Q.) + 1(T/F)	1T			04
16	Chemistry in everyday life	1 T (M.C.Q.) + 1(T/F)				02
	TOTAL QUESTIONS & TOTAL MARKS	28 sub parts T.M=28	T.Q=10 T.M=20	T.Q=4 T.M=12	T.Q=2 T.M=10	T.Q=17 T.M=70

**Note: In above SCHEMATIC DISTRIBUTION OF MARKS
T=Theory, N=Numerical, M.C.Q. = Multiple choice questions,
T/F= True and False**

INSTRUCTIONS FOR PAPER SETTER

Note:

1. There will be one theory paper comprising of 17 questions. All questions are compulsory.
2. Question no. 1 will have 28 sub parts and each part will carry 1 mark. All questions are compulsory. This question will be of multiple choice, numerical, true false and comprehensive.
3. Question no. 2 to 11 will be of two marks each. There will be internal choice in Four questions. All questions are compulsory.
4. Question no.12 to 15 will be of three marks each. There will be internal choice in two questions. All questions are compulsory.
5. Question no.16 to 17 will be of five marks each. There will be internal choice in them.
6. Questions paper should cover all the syllabus.
7. No question or topic should be repeated in the question paper.
8. Questions in the paper can be asked only from mentioned PSEB syllabus. Questions from any topic which is not mentioned in the syllabus will be considered as out of syllabus question.
9. All sets must be of equal standard and difficulty level questions.
10. At the end of each question, paper setter must write detailed distribution of marks of each sub-question.
11. Vague, many possible answer questions, confusing answer question etc type of question will not be asked in the paper.
12. Language used should be clearly understood & specific.
13. Time and length limit of paper should be kept in mind while setting the paper.

