



**Maharashtra State Board of Secondary and  
Higher Secondary Education, Pune**  
Sub. : Chemistry (55)  
Std. XII

<b>Chapterwise Distribution Of Marks</b>				
Area	Topic No.	Unit	Weightage of Unit Without Option	Weightage of Units With Option
Physical Chemistry	1	Solid State	3	5
	2	Solutions	4	6
	3	Ionic Equilibria	4	6
	4	Chemical Thermodynamics	6	8
	5	Electrochemistry	5	7
	6	Chemical Kinetics	4	6
				<b>26</b>
Inorganic Chemistry	7	Elements of Group 16,17 & 18	6	8
	8	Transition & Inner Transition Elements	6	8
	9	Coordination Compounds	5	7
			<b>17</b>	<b>23</b>
Organic Chemistry	10	Halogen Derivatives	5	7
	11	Alcohols , Phenols and Ethers	4	6
	12	Aldehydes , Ketones and Carboxylic acids	6	8
	13	Amines	3	4
			<b>18</b>	<b>25</b>
Applied Chemistry	14	Biomolecules	3	4
	15	Introduction to Polymer Chemistry	3	4
	16	Green Chemistry and Nano Chemistry	3	4
			<b>09</b>	<b>12</b>
			<b>70</b>	<b>98</b>

<b>* Weightage to Learning Objectives</b>			
<b>Sr. No.</b>	<b>Learning Objectives</b>	<b>Total Weightage (With Option)</b>	<b>Percentage</b>
1.	Knowledge	29 Marks	30%
2.	Understanding	41 Marks	42%
3.	Application & Skill	28 Marks	28%
	<b>Total</b>	<b>98 Marks</b>	<b>100%</b>

<b>* Difficulty level of the questions</b>			
<b>Sr. No.</b>	<b>Difficulty level</b>	<b>Total Weightage (With Option)</b>	<b>Percentage</b>
1.	Easy	29 Marks	30%
2.	Average	49 Marks	50%
3.	Difficult	20 Marks	20%
	<b>Total</b>	<b>98 Marks</b>	<b>100%</b>

<b>* Weightage as per type of questions</b>			
<b>Type of questions</b>	<b>Number of questions</b>	<b>Marks for each questions</b>	<b>Total Marks</b>
MCQ	Q. No. 1 ( i to x) (Ten)	1 Mark each	10 Marks
VSA	Q. No. 2 ( i to viii) (Eight)	1 Mark each	08 Marks
SA- I	Q. No. 3 to 14 (Twelve)	2 Marks each	24 Marks
SA -II	Q. No. 15 to 26 (Twelve)	3 Marks each	36 Marks
LA	Q. No. 27 to 31 (Five)	4 Marks each	20 Marks
<b>Total</b>	<b>31(47)</b>		<b>98 Marks</b>

**Note for Practical Evaluation:** Practical details, instructions and marking scheme for XII practical examination in chemistry has been given in the practical note book cum journal published by Maharashtra state Bureau of Textbook Production and Curriculum Research, Balbharti, Pune-4

**Use of this practical notebook cum journal published by Maharashtra state Bureau of Textbook Production and Curriculum Research, Balbharti.Pune-4 is made mandatory by Government of Maharashtra, School Education Department from the academic year 2020-21 onwards.**



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**Question Paper Format for Unit Test**

**Time : 1.30 hrs.**

**Marks - 25**

**Section A**

Q. No. 1 Select and write the correct answer:

(i) to (iv)

**MCQ**

4 Marks

Q. No. 2 Answer the following

(i) to (iii)

**VSA**

3 Marks

**Section B**

Attempt any **Four**

Q. No. 3 to Q. No. 8

**SA-I**

8 Marks

**Section C**

Attempt any **Two**

Q. No. 9 to Q. No. 11

**SA-II**

6 Marks

**Section D**

Attempt any **One**

Q. No. 12 to Q. No. 13

**LA**

4 Marks

**Question Paper Format for Terminal Examination**

**Time : 2.30 hrs.**

**Marks - 50**

**Section A**

Q. No. 1 Select and write the correct answer:

(i) to (vii)

**MCQ**

7 Marks

Q. No. 2 Answer the following

(i) to (vii)

**VSA**

7 Marks

**Section B**

Attempt any **Eight**

Q. No. 3 to Q. No. 13

**SA-I**

16 Marks

**Section C**

Attempt any **Four**

Q. No. 14 to Q. No. 19

**SA-II**

12 Marks

**Section D**

Attempt any **Two**

Q. No. 20 to Q. No. 23

**LA**

8 Marks



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**Question Paper Format for Annual Examination**  
**Chemistry (55)**  
**(Year 2020-2021 Onwards)**

**Time- 3 hrs.**

**Total Marks -70**

General Instructions: - The question paper is divided into four sections.

**(1) Section A :**

Q. No. 1 contains Ten multiple choice type of questions carrying One mark each.

Q. No. 2 contains Eight very short answer type of questions carrying One mark each.

**(2) Section B :**

Q. No.3 to Q. No.14 contains Twelve short answer -I type of questions carrying Two mark each.

**(3) Section C :**

Q.No.15 to Q.No.26 contains Twelve short answer-II type of questions carrying Three mark each.

**(4) Section D :**

Q. No.27 to Q. No.31 contains Five long answer type of questions carrying Four mark each.

(5) Use of logarithmic table is allowed, Use of calculator is not allowed.

(6) Figures to the right indicate full marks.

(7) For each MCQ, correct answer must be written along with its alphabet.

e.g., (a) ..... / (b) ..... / (c) ..... / (d) ..... Only first attempt will be considered for evaluation.

(8) Physical constants:-

i) -----

ii) -----

iii) -----

### **Section A**

Q. No. 1 Select and Write the correct answer: (10)  
(i) to (x) MCQ (Two Numerical)

Q. No. 2 Answer the following: (08)  
(i) to (viii) VSA (One Numerical)

### **Section B**

Attempt any Eight: (16)  
Q. No. 3 to Q. No. 14 SA - I (Two Numerical)

### **Section C**

Attempt any Eight: (24)  
Q. No.15 to Q. No. 26 SA - II (Two Numerical)

### **Section D**

Attempt any Three: (12)  
Q. No.27 to Q. No. 31 LA (One Numerical in sub question of 2 Marks)

Note: - Numerical should be of maximum (12 to 15 Marks).

Numerical should be included in each section.