Chemistry	Gujranwala Board Ninth, 2021	Paper – I
Time: 1.45 Min.	Subjective Type	Marks : 48

(Group–II)

2. Write short answers to any FIVE (5) questions: (10)

i. Define substance and mixure.

ii. Write down cheimcal formula of sugar and silicon dioxide.

iii. Define atomic mass unit. Write down its value in grams.

iv. Write down the electronic configuration of $_{18}Ar$.

v. Define atomic radius.

vi. When does electron emit or absorb energy?

vii. Define periodic law.

viii. Write down the trend of electron affinity in periods.

3. Write short answers to any FIVE (5) questions: (10)

i. Define convalent bond.

ii. What is relationship between electronegativity and polarity?

iii. What is double covalent bond? Give an example.

iv. State Boyle's law.

v. Why is evaporation a continuous process?

vi. Define dilute solution and concentrated solution.

vii. Define saturated solution.

viii. What is molarity?

4. Write short answers to any FIVE (5) questions: (10)

i. Define reduction.

ii. What is exidation number? Give an example.

iii. What are weak electrolytes? Give an example.

iv. What is rusting of iron? Write down its important condition.

v. Write down any four names of very reactive metals.

vi. Write down any two uses of platinum.

vii. Write down any two chemical properties of non-metals.

viii. Write down balanced chemical equation showing chemical reaction of fluorine with water.

PART – II

Note: Attempt any Two questions.

5. (a) Differentiate between Rutherford's and Bohr's atomic theory. (4)

(b) What is meant by Physical and chemical properties of matter? Explain with examples. (5)

6. (a) Define and explain coordinate covalent bond with examples. (4)

(b) What is vapour pressure? On which factors vapour pressure does depend upon? (5)

7. (a) Describe electroplating of chromium. (4)

(b) Calculate the molarity of a solution which is prepared by dissolving 28.4 g of Na_2SO_4 in $400cm^3$ of solution: (5)