

Chemistry (New Scheme)	Ninth Gujranwala Board 2019	Paper - I
Time: 1.45 hrs	Subjective (Group - I)	Marks : 48

Note: Section I is compulsory. Attempt any two (2) questions from Section II.

SECTION-I

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

- i Define nuclear chemistry.
- ii Write down chemical formula of calcium phosphate and sodium chloride.
- iii Differentiate between atom and ion.
- iv What is meant by electronic configuration?
- v Write two defects in Rutherford's Atomic Model.
- vi Give the trend of ionization energy in periods.
- vii Define a group and a period.
- viii What is meant by atomic radius of atom?

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

- i Why do atoms form chemical bonds?
- ii Define covalent bond and give one example.
- iii Metals are good conductor of electricity. Why?
- iv Define pressure. Also write its SI unit.
- v Why the density of a gas increases on cooling?
- vi Define dilute solutions and concentration.
- vii Why is naphthalene soluble in carbon tetrachloride and not in water?
- viii How can you justify that blood is a colloid?

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

- i Define oxidation in term of electrons. Give an example.
- ii How electroplating of tin is carried out on steel?
- iii Name the by-products produced in Nelson's cell.
- iv Why galvanizing is done?
- v Why reactivity of metals increases down the group?
- vi Why copper is used for making electrical wires?
- vii Why the ionization energy of Na is more than K ?
- viii Write two chemical properties of metals.

SECTION - II

- 5.(a) Describe the discovery and properties of neutron. 5
- (b) Write down four differences between molecule and molecular ion. 4
- 6.(a) Define ionic bond. Explain it with an example. 5
- (b) What is Boyle's law. Explain it with experimental verification. 4
- 7.(a) How NaOH is manufactured from Brine? Explain. 5
- (b) Explain any four types of solutions with examples. 4