

Chemistry	9th Lahore Board 2018	Paper I (Essay Type)
Time: 1:45 Hours	(Group-I)	Max Marks: 48
	Section-I	

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

- Define nuclear chemistry.
- Differentiate between physical properties and chemical properties.
- Define symbols of elements.
- Explain the treatment of cancer by radiotherapy.
- Explain the use of U-235 in power generation.
- Define atomic radius and give example.
- Why ionization energy increases from left to right in a period?
- Write down the name of elements found in second period.

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

- Why do atoms react?
- Why does ice float on water?
- Ionic compounds are solids. Justify.
- In which form sulphur exists at 100°C?
- What is diffusion in gases? Give an example.
- Why do we stir paints thoroughly before using?
- What do you mean by % Volume / Volume?
- How will you test whether given solution is a colloidal solution or not?

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

- What are redox reactions?
- What is meant by a reducing agent?
- Define oxidation in terms of oxygen. Give an example.
- Calculate the oxidation number of "N" in AgNO_3 and HNO_3 .
- Write two applications of gold.
- Give occurrence of alkali metals and alkaline earth metals.
- Write any two chemical properties of non-metals.
- What is trend of electropositive character of metals in groups and periods?

PART-II

Note: Attempt any TWO questions.

- Write five properties of cathode rays. (4)
 - Write four differences between molecule and molecular ion. (5)
- Write the properties of covalent compounds. (4)
 - What is allotropy? What are its reasons? Explain transition temperature also. (5)
- Discuss electrolysis of water. (4)
 - Give the four characteristics of colloid. (5)