

Gujranwala Board 2016 (First Group)

Roll No.(in Figures):

(in Words):

Maximum Marks: 48

(SUBJECTIVE TYPE)

Time Allowed :1.45 Hours

PART - I

Q2. Write short answers to any FIVE (5) questions:

(5×2=10)

- What is molecular mass? Give one example.
- What is the difference between cation and anion?
- Define isotope and give one example.
- Write the uses of isotopes in radiotherapy.
- Write the electronic configuration of an element having 11 electrons.
- Why is the second ionization energy of an element higher than the first one?
- What is the difference between Mendeleev's and Modern Periodic Law.
- Define electronegativity and give one example.

Q3. Write short answers to any FIVE (5) questions:

(5×2=10)

- Why are noble gases non-reactive?
- Define metallic bond.
- Write down any two properties of metals.
- Why does ice float on water?
- Define pressure. Also write its SI unit.
- State Charles's Law. Also write its equation.
- Define dynamic equilibrium.
- Define amorphous solid with an example.

Q4. Write short answers to any FIVE (5) questions:

(5×2=10)

- Define molarity. Also write its formula.
- Write formulas of two ionic compounds which are soluble in water.
- What is a reducing agent? Give an example.
- Define electroplating. Why is it used?
- Write formulas of two strong electrolytic compounds.
- Convert - 30°C to Kelvin scale.
- Define transition temperature. Give one example.
- How do intermolecular forces affect the boiling points of a liquid?

PART - II

Note: Attempt any TWO questions.

(9×2=18)

Q5. (a) State five steps for writing a chemical formula.

5

(b) Write four uses of isotopes.

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Q6. (a) Define covalent bond. Explain single, double and triple covalent bonds with examples.

5

(b) Narrate four properties of ionic compounds.

4

Q7. (a) Define colloid. Give its four characteristics.

5

(b) Explain the process of rusting of iron.

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