

Faisalabad Board 2016 (Second 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)

- (i) Differentiate between physical and chemical properties.
- (ii) Calculate the molecular mass of nitric acid.
- (iii) Why Max Planck was awarded Nobel Prize?
- (iv) Why do the isotopes of element have different atomic mass?
- (v) What is the use of iodine (I-131) and technetium?
- (vi) Define periodic table. Write its one important feature.
- (vii) Define periodic law.
- (viii) What is meant by atomic radius? Write its units.

Q3. Write short answers to any FIVE (5) questions: (5×2=10)

- (i) Write down two properties of ionic compound.
- (ii) Define the coordinate covalent bond.
- (iii) What is meant by hydrogen bonding?
- (iv) Metals are good conductor of electricity. Why?
- (v) What is meant by absolute zero?
- (vi) How evaporation is affected by surface area?
- (vii) What is meant by amorphous solid? Give one example.
- (viii) What is diffusion? Explain it with one example.

Q4. Write short answers to any FIVE (5) questions: (5×2=10)

- (i) What is percentage $\frac{\text{mass}}{\text{mass}}$? Give one example.
- (ii) Define molarity and write its formula.
- (iii) What is electrochemical cell?
- (iv) Define electrolyte and give two examples.
- (v) What are strong electrolytes? Give two examples.
- (vi) Write two uses of sodium metal.
- (vii) Write two properties of silver.
- (viii) Write two uses of platinum.

PART - II

Note: Attempt any TWO questions. (9×2=18)

Q5. (a) Write five types of molecules with example for each. 5

(b) Write any four uses of isotopes. 4

Q6. (a) Describe the five physical important properties of metals. 5

(b) Write some important properties of liquids. 4

Q7. (a) Define concentration. Explain four concentration units. 5

(b) Explain the four methods for the prevention of corrosion. 4