

## Faisalabad Board 2018 (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)

- Define element and give at least two examples.
- Write the formula of sulphuric acid and sugar.
- What is anion and how is it formed?
- Write two properties of canal rays.
- Write the electronic configuration (in sub-shell) of sodium.
- Define period and group in periodic table.
- Which are long periods? How many elements are present in long periods?
- Why ionization energy decreases in a group from top to bottom?

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

- What is single covalent bond? Explain with an example.
- Differentiated between lone pair and bond pair of electrons.
- Define intermolecular forces and give an example also.
- Why the density of gases increase on cooling?
- Define allotropy and give an example also.
- How will you prove that whether given solution is a colloidal solution or not?
- Why benzene is insoluble in water?
- Define solvent and give an example also.

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

- What is the difference between spontaneous and non-spontaneous reactions?
- Define oxidizing agent with an example.
- Write two examples of weak electrolytes.
- Name the by-products produced in nelson's cell.
- Write two physical properties of metals.
- Explain the trend of electropositivity in group of periodic table.
- Write two uses of sodium.
- What is the significance of water for survival of life?

## (PART - II)

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

- Q5. (a) What is Bohr's atomic theory? Give its postulates. 5
- (b) Write at least four differences between a compound and a mixture. 4
- Q6. (a) What is dipole-dipole interaction? Explain with example of HCl. 5
- (b) On what factors vapour pressure depends upon? Explain. 4
- Q7. (a) How electrolytic refining of cooper in carried out? Explain. 5
- (b) Explain any four types of solution with examples. 4