

Bahawalpur 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)

- What are compounds? Give an example.
- Define atomic number and give one example.
- What is meant by bio-chemistry?
- Write electronic configuration of carbon by using subshells.
- What are canal rays?
- What is meant by atomic radius?
- What is meant by period in modern periodic table?
- What are Dobereiner's triads?

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

- Why are compounds solid? Explain.
- Why atoms do react with each other?
- Why do ionic compounds conduct electricity in solution or molten form?
- Define vapour pressure.
- Define Charles law.
- What is meant by "like dissolve like" the principle of solubility?
- What is meant by % m/m?
- Define saturated solution.

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

- Define oxidation state with an example.
- Define electrolysis.
- What is the difference between oxidation and reduction?
- Distinguish between anode and cathode.
- Write down four names of moderately reactive metals.
- Why alkali metals are extremely reactive?
- Write down two uses of magnesium.
- Write down two chemical properties of non-metals.

(PART - II)

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

Q5. (a) Compare the difference between the Rutherford's and Neil Bohr's atomic theories. 5**(b) Define industrial chemistry and analytical chemistry. Write their use.** 4**Q6. (a) Write down properties of metals.** 5**(b) Discuss the factors affecting diffusion of liquids.** 4**Q7. (a) What is electroplating? Write its procedure.** 5**(b) What is solubility? Describe the effects of temperature on solubility.** 4