

1	1
2	2
3	3

Note: There are THREE sections in this paper i.e. A, B & C. Attempt Section-A and return it to the Superintendent within the given time. No marks will be awarded for cutting, erasing and overwriting.

Time: 15 minutes

Section-A

Marks: 12

Q.No.1 Select the correct option and insert (A, B, C, D) in the relevant box.

i. One atomic mass unit (amu) is \_\_\_\_\_

- A-  $1.67 \times 10^{-23}$ g      B-  $1.67 \times 10^{-24}$ g      C-  $1.67 \times 10^{-23}$ g      D-  $1.67 \times 10^{-22}$ g

ii. Which one of the following is a homogenous mixture?

- A- Smoke      B- Air      C- Fog      D- Smog

iii. Carbon has \_\_\_\_\_ isotopes.

- A- Five      B- Three      C- Two      D- Four

iv. Alpha particles are \_\_\_\_\_.

- A- Neutral      B- Negatively charged      C- Protons      D- Double positively charged

v. The group I and group II elements are called the \_\_\_\_\_ elements.

- A- P-block      B- S-block      C- D-block      D- F-block

vi. The modern periodic table is based on the \_\_\_\_\_.

- A- Law of triads      B- Law of octaves      C- Mendeleev's Periodic Law      D- Modern Periodic Law

vii. Which kind of bond exists in HCl?

- A- Covalent bond      B- Ionic bond      C- Polar bond      D- Coordinate bond

viii. When the temperature of water is dropped to \_\_\_\_\_, it changes into ice.

- A-  $100^{\circ}\text{C}$       B-  $50^{\circ}\text{C}$       C-  $0^{\circ}\text{C}$       D-  $4^{\circ}\text{C}$

ix. The increase in temperature of the gases decreases the \_\_\_\_\_.

- A- Pressure      B- Volume      C- Force of attraction      D- Kinetic energy

x. Solution whose concentration is known is called \_\_\_\_\_.

- A- Aqueous solution      B- Saturated solution      C- Standard solution      D- Non-standard solution

xi. Which one of the following is a strong electrolyte in solution?

- A-  $\text{N}_2\text{CO}_3$       B-  $\text{NH}_4\text{OH}$       C- HCl      D-  $\text{CH}_3\text{COOH}$

xii. The halogens are \_\_\_\_\_.

- A- Inert      B- Reactive      C- Electropositive      D- Metallic