

# CHEMISTRY 2024

Max. Marks: 60

Time: 3 Hour

## SECTION "A" MULTIPLE CHOICE QUESTIONS (MCQs)

Marks: 12

**NOTE:** (i) Attempt all the Questions of this Section.

(ii) Do not copy down the part questions. Write only the answer against the proper number of the Question and its part according to the question Paper.

(iii) Each question carries 1 Mark

1. Choose the correct answer for each question from the given options:

1. Natrium is the Latin name of this element:

- \* Nitrogen      \* Neon      \* Sodium ✓      \* Nickle

2. In chemical reaction  $ZnO + H_2 \rightarrow Zn + H_2O$ , it is reduced:

- \* H      \*  $H_2$       \* Zn ✓      \* O

3.  $CO_3^{2-}$  is a/an:

- \* cation      \* anion      \* molecule      \* molecular ion ✓

4. Number of sub-shells in M-shell is:

- \* one      \* two      \* three ✓      \* four

5. Boron is a:

- \* metalloid ✓      \* metal      \* non-metal      \* transition metal

6. Atomic radius is measured in:

- \* yard      \* feet      \* inch      \* angstrom ✓

7. Shielding effect from left to right in a period:

- \* increases      \* decreases ✓      \* same      \* moderate

8. This is non-polar covalent compound:

- \* HF      \*  $H_2O$       \* HCl      \*  $CO_2$  ✓

9. At room temperature this metal exists in liquid state:

- \* Bromine      \* Mercury ✓      \* Iron      \* Calcium

10. This term would be the same for 1 mole of oxygen gas and 1 mole of water:

- \* atoms      \* mass      \* molecules ✓      \* volume

11. Alkaline earth metals belong to this group:

- \* I - A      \* II - A ✓      \* VI - A      \* VII - A

12. This gas turns lime water milky:

- \*  $O_2$       \*  $NO_2$       \*  $CO_2$  ✓      \*  $N_2$