

CHEMISTRY 2023

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 Marks

1. Choose the correct Answer for each from the given question:

1. According to Avogadro, one-gram mole of any gas at S.T.P. occupies volume:

- * 22.4 mm³ * 22.4 cm³ * 22.4 dm³ ✓ * 22.4 m³

2. Dry cell produces a potential of:

- * 1.0 volt * 1.5 volt ✓ * 2.0 volt * 12 volt

3. Leakage of Helium gas through gas balloons is an example of:

- * Diffusion * Effusion ✓ * Evaporation * Mobility

4. It is a type of dipole-dipole interaction:

- * Covalent bond * Hydrogen bond ✓
* Metallic bond * ionic bond

5. The only Halogen exists in liquid state at room temperature:

- * F₂ * Cl₂ * Br₂ ✓ * I₂

6. 5% m/m aqueous solution means that 5 g of solute is dissolved in:

- * 90 g of water * 95 g of water ✓
* 100g of water * 105 g of water

7. The branch of Chemistry that deals with the compounds in living organisms is called as:

- * Analytical Chemistry * Bio Chemistry ✓
* Organic Chemistry * Physical Chemistry

8. Electrons pairs which are not shared by atoms, are called

- * electron pairs * lone pairs ✓
* bond pairs * shared pairs

9. The symbol of 'silver' is:

- * Ag ✓ * Au * Si * Sn

10. This atomic model is known as the "quantum mechanical model" of the atom:

- * Bohr's atomic model * Rutherford atomic model
* Dalton's atomic model * Schrodinger atomic model ✓

11. Fourth and fifth periods in periodic table, are called:

- * short period * long period ✓
* normal period * very long period

12. Electronic configuration is the distribution of:

- * Proton * Positron * Neutron * Electron ✓