

NOTE: Attempt all questions of Section A by filling the corresponding bubble on the MCQ ANSWER SHEET and return it to the Superintendent within given time, even if you have not attempted any question.

**SECTION-A**

Time: 20 Minutes

Marks: 12

1. Dental amalgam (Hg in Ag) is the ..... type of solution. A) solid in solid, B) liquid in liquid, C) solid in liquid,  D) liquid in solid
2. Which of the following is a weak electrolyte? A)  $H_2SO_4$ , B) HCl,  C)  $CH_3COOH$ , D) NaOH
3. The halogen present in solid form is ..... A) chlorine, B) fluorine, C) bromine,  D) iodine
4. The chemical bond in NaCl is ..... bond. A) coordinate, B) covalent,  C) ionic, D) metallic
5. An atom with a charge is called ..... A) an electron, B) a molecule, C) a proton,  D) an ion
6. Existence of an element in more than one crystalline form is called ..... A)  allotropy, B) isotropy, C) phototropy, D) polymorphism
7. An electron in its ground state does not ..... A) spin, B) revolve,  C) radiate energy, D) reside in orbit
8. Atomic size decreases from left to right in a period. This is because of ..... is added in nucleus. A) electron,  B) proton, C) neutron, D) positron
9. The modern periodic table is based on ..... A)  atomic number, B) mass number, C) atomic mass, D) isotopes number
10. "Lead" is a metal which is represented by the symbol: ..... A)  Pb, B) Sn, C) Au, D) Hg
11. Which of the following is a homogeneous mixture? A) smoke, B)  air, C) fog, D) smog
12. Protium (H) and Deuterium (D) are the ..... of hydrogen. A)  isotopes, B) isobars, C) isotropes, D) ionforms