

Time: 30 Minutes

Max. Marks: 17

SECTION "A" (MULTIPLE CHOICE QUESTIONS)

1. Choose the correct answer for each from the given options: (17)

- (i) The molecular mass of heavy water is:
(A) 16 a.m.u. (B) 18 a.m.u. (C) 20 a.m.u. (D) 22 a.m.u.
- (ii) Diamond is used as abrasive because it is:
(A) Hard (B) Soft
(C) Cubic (D) Bad Conductor of electricity
- (iii) The most reactive metal is:
(A) Na (B) Cu (C) Fe (D) Ca
- (iv) Iodine belongs to this family:
(A) Boron (B) Carbon (C) Nitrogen (D) Halogen
- (v) The temperature at which the Vapour Pressure of a liquid becomes equal to its external pressure is called:
(A) Melting point (B) Boiling point
(C) Freezing point (D) Triple point
- (vi) Which pair of elements is chemically similar:
(A) K, Cr (B) Cu, Ca (C) F, Cl (D) N, O
- (vii) The force which holds atoms together in a molecule or Crystal is called:
(A) Ionic bond (B) Covalent bond
(C) Co-ordinate covalent bond (D) Chemical bond
- (viii) The chemical formula of washing soda is:
(A) $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$ (B) $\text{Na}_2\text{CO}_3 \cdot 8\text{H}_2\text{O}$
(C) Na_2CO_3 (D) $\text{Na}_2\text{CO}_3 \cdot 12\text{H}_2\text{O}$
- (ix) Natural Gas mainly consists of:
(A) Methane (B) Ethane (C) Propane (D) Butane
- (x) The PH value of Salvia is:
(A) 4.2 (B) 6.5 (C) 7.0 (D) 7.8
- (xi) Group I-A elements are called:
(A) Halogens (B) Alkali metals
(C) Alkaline earth metals (D) Noble gases
- (xii) Symbols of elements were suggested by:
(A) Cavendish (B) Lavoisior
(C) Gay Lussac (D) J.J. Berzellius
- (xiii) The electrolyte in lead storage battery is:
(A) H_2SO_4 (B) HCl (C) HNO_3 (D) H_3PO_4
- (xiv) Salts that are formed by the reaction of strong acid with weak base are:
(A) Acidic Salts (B) Common Salts
(C) Basic Salts (D) Double Salts

- (xv) One Faraday =
(A) 96800 Faraday (B) 96600 Faraday
(C) 96500 Columb (D) 96560 Faraday
- (xvi) The suspended particles in suspension are generally of the size:
(A) 10 nm (B) 100 nm (C) 1200 nm (D) 1 nm
- (xvii) The nucleus of an atom consists of:
(A) Electrons and protons (B) Protons and neutrons
(C) Electrons and neutrons (D) Only protons