

Section-A

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

- (i) The branch of Chemistry that deals with carbon compounds is called
 (a) Inorganic chemistry (b) Physical chemistry
 (c) Organic chemistry (d) Polymeric chemistry
- (ii) The 44 a.m.u of CO_2 is called
 (a) Molar mass (b) Atomic mass (c) Molecular mass
 (d) Mass number
- (iii) The nucleus of an atom consists of
 (a) Electron and Proton (b) Proton and Neutron
 (c) Electron and Neutron (d) None of these
- (iv) The energy change that occurs when an electron is gained by an atom in the gaseous state is
 (a) Electron affinity (b) Ionization energy
 (c) Electronegativity (d) None of these
- (v) The bond in MgO is
 (a) Electrovalent bond (b) Covalent Bond (c) Chemical bond
 (d) Co-ordinate Covalent bond
- (vi) A certain temperature at which vapour pressure of liquid becomes equal to its external pressure is called
 (a) Melting point (b) Boiling point (c) Triple point
 (d) Freezing point
- (vii) The suspended particles in suspensions are generally of the size.
 (a) 10nm (b) 100 nm (c) 1200 nm (d) 1 nm
- (viii) One Faraday is equivalent to coulombs.
 (a) 96600 (b) 96500 (c) 96400 (d) 96300
- (ix) The formula of washing soda is
 (a) $\text{Na}_2\text{CO}_3 \cdot 8\text{H}_2\text{O}$ (b) $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$ (c) $\text{Na}_2\text{CO}_3 \cdot 6\text{H}_2\text{O}$
 (d) $\text{Na}_2\text{CO}_3 \cdot 4\text{H}_2\text{O}$
- (x) The formation of water from H_2 and O_2 is an example of
 (a) Exothermic reaction (b) Endothermic reaction
 (c) Neutralization reaction (d) None of these
- (xi) The molecular mass of Heavy water is
 (a) 18 a.m.u (b) 22 a.m.u (c) 20 a.m.u (d) 24 a.m.u
- (xii) China clay is used in making of
 (a) Glass (b) Ceramics (c) Electrical insulator
 (d) Crockeries
- (xiii) The catalyst used for catalytic oxidation of NH_3 in Ostwald's method is

- (a) Nickel (Ni) (b) Chromium (Cr) (c) Platinum (Pt)
 (d) Vanadium penta oxide (V_2O_5)

(xiv) The most abundant and useful halogen is

- (a) Bromine (b) Fluorine (c) Iodine (d) Chlorine

(xv) Which of the following constituents of shoe polish is used to provide shining to the shoes.

- (a) Bees wax (b) Sodium hydroxide (c) Pearl ash (d) Soap