

Section-I

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

- (i) The heat evolved during the formation of one mole of water from H_2 and O_2 is _____.
- (a) 286 Kilo-joules/mole (b) 186 Kilo-joule/mole
(c) 300 Kilo-joules/mole (d) 200 Kilo-joules/mole
- (ii) The freezing point of heavy water is _____.
- (a) $0^\circ C$ (b) $3.81^\circ C$ (c) $4^\circ C$ (d) $1^\circ C$
- (iii) Silicon is most abundantly found in nature as:
- (a) Silica (b) Silicon Carbide (c) Sodium Silicate
(d) Calcium Silicate
- (iv) The metal that liberates H_2 gas when treated with dil HNO_3 is: .
- (a) Copper (b) Zinc (c) Priestly (d) Cavendish
- (v) Hydrogen was discovered by _____.
- (a) Robert Boyle (b) J.Black (c) Priestly (d) Cavndish
- (vi) The mass of one mole of substance expressed in gram, is called _____.
- (a) Molar mass (b) Molecular mass (c) Molecular formula
(d) Empirical formula
- (vii) The mass of proton is _____.
- (a) 1.67×10^{-23} (b) 1.67×10^{-23} (c) 1.67×10^{-24}
(d) 1.67×10^{-25}
- (viii) The elements of VII-A group are known as _____.
- (a) halogens (b) Lanthanides (c) Actinides
(d) None of these
- (ix) Rhombic sulphur has structure of shape:
- (a) Square planar (b) Octahedral (c) Tetrahedral
(d) Prismatic
- (x) Chromite is found in Pakistan at _____.
- (a) Azad Kashmir (b) Punjab (c) Sindh
(d) Balochistan
- (xi) General formula for alkane is _____.
- (a) C_nH_{2n+2} (b) C_nH_{2n} (c) C_nH_{2n+2} (d) C_nH_{2n+1}
- (xii) Red ink is normally prepared from _____.
- (a) Oak plant (b) Linseed oil (c) Silver nitrate (d) Brazil wood
- (xiii) The acids which contain one acidic hydrogen are called _____.
- (a) Mono-protic (b) Di-protic (c) Tri-protic (d) Poly-protic
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- (xiv) Co-ordinate covalent bond is always formed between the two _____.
- (a) Like atoms (b) Unlike atoms (c) Similar atoms (d) Like and unlike atoms
- (xv) The process in which solid directly changes to gas is called _____.
- (a) Evaporation (b) Sublimation (c) Similar atoms
(d) Like and unlike atoms
- (xvi) The sum of the mole fraction of solute and solvent is equal to _____.
- (a) 0 (b) 1 (c) 2 (d) 5
- (xvii) The substances having a tendency to lose one or more protons are called _____.
- (a) Acid (b) Base (c) Neutral (d) 5