

Time: 3 Hrs

(Science Group)

Max. Marks: 85

SECTION 'A' (COMPULSORY)

MULTIPLE CHOICE QUESTIONS

(Marks: 17)

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

- (i) The chemical formula of "Oil of Vitriol" is:
 ☆ H_2SO_4 ☆ $CuSO_4$ ☆ $CaSiO_3$ ☆ $H_2S_2O_7$
- (ii) It is the radioactive isotope of Hydrogen:
 ☆ 1_1H ☆ 2_1H ☆ 3_1H ☆ 4_1H
- (iii) It is an alloy of Copper and Tin:
 ☆ Bronze ☆ Brass ☆ Nichrome ☆ German Silver
- (iv) A suspension of droplets of one liquid into another in which it is not soluble is called:
 ☆ O_2 and N_2 ☆ Cl_2 and Br_2
 ☆ CH_4 and NH_3 ☆ CO_2 and SO_2
- (v) A suspension of droplets of one liquid into another in which it is not soluble is called:
 ☆ smoke ☆ mud ☆ foam ☆ emulsion
- (vi) A Dative bond is always formed between the two:
 ☆ like atoms ☆ unlike atoms
 ☆ similar atoms ☆ like and unlike atoms
- (vii) Electro Chemical Equivalent is denoted by:
 ☆ A ☆ C ☆ X ☆ Z
- (viii) Water accounts for the weight of a human body is about:
 ☆ 50% ☆ 60% ☆ 70% ☆ 80%
- (ix) This process $n(CH_2 = CH_2) \rightarrow (-CH_2-CH_2-)_n$ belongs to:
 ☆ Analytical Chemistry ☆ Inorganic Chemistry
 ☆ Physical Chemistry ☆ Polymetric Chemistry
- (x) It is an example of Endothermic reaction:
 ☆ Decomposition Reaction ☆ Respiration
 ☆ Neutralization ☆ Combustion Reaction
- (xi) It is still considered, the incomplete period in the Modern Periodic Table:
 ☆ First ☆ Third ☆ Fifth ☆ Seventh
- (xii) This one of the following elements has the smallest atomic radius:
 ☆ Magnesium ☆ Calcium
 ☆ Strontium ☆ Radium
- (xiii) The class of Plastics that can only be heated once before they set on cooling, are called:
 ☆ Thermo Plastics ☆ Thermosetting Plastics
 ☆ Cellulose Acetate ☆ Cellulose Nitrate
- (xiv) It is an ALKYL group:
 ☆ C_6H_{12} ☆ C_6H_{13} ☆ C_6H_{14} ☆ C_6H_{15}
- (xv) These are called self formers:
 ☆ Alkali metals ☆ Halogens
 ☆ Noble gases ☆ Hydrides
- (xvi) Oxidation takes place at:
 ☆ Anode ☆ Cathode
 ☆ Anode and cathode ☆ None of these
- (xvii) The temperature at which the vapour pressure of a liquid becomes equal to its external atmosphere pressure is called:
 ☆ Melting point ☆ Boiling point
 ☆ Triple point ☆ Freezing point