

Test - NO - \_\_\_\_\_

Total - marks - 30 marks

Time - 1hr

"All the best"

part-A - 1 mark

1x5q = 5m

balls disappears with time without leaving

① why naphthalene any solid?

② what is tyndal effect?

③ write the chemical formula for the below one with proper calculation?

- (i) Calcium oxide
- (ii) Methane

④ Define valency by taking Examples such as oxygen & sulphur?

⑤ name the subatomic particle of an atom?

part-B - 2mark  $2 \times 3q = 6m$

⑥ what is isotopes? list the isotopes of Hydroge.

⑦ calculate the molecular mass of below

- (i)  $C_6H_{12}O_6$
- (ii)  $Na_2SO_4 \cdot 10H_2O$

Na = 23 u      C = 12 u      H = 1 u  
 S = 32 u      O = 16 u

⑧ what is meant by chromatography and its types?

part-C - 3 mark  $3 \times 30 = 90m$

9) what are the characteristics of particles of matter

10) (i) Differentiate between Homogeneous & Heterogeneous mixture

(ii) Explain (a) Colloid (b) Suspension

11) what has more atoms, 100g of Na (or) 100g of Fe  
atomic mass } Na = 23u ; Fe = 56u

part-D - 5 mark  $5 \times 20 = 10mark$

12) (i) Convert into mole  $\rightarrow$  22g of  $CO_2$

(ii) what is the mass of 0.5 mole of  $H_2O$  molecules.

(iii) If one mole of Carbon atom weigh 12g, what is the mass in gram of 1 atom of carbon

(iv) Define A.M.U

13) (i) what solution?

(ii) Explain the types of Solution with examples?

(ii) Find out the mass by volume % of 15% solution of  $H_2SO_4$  (density =  $1.02 \text{ g mL}^{-1}$ )