

## Topic :-REDOX REACTIONS

- Addition of zinc powder to  $\text{CuSO}_4$  solution precipitates copper due to :  
a) Reduction of  $\text{Cu}^{2+}$     b) Reduction of  $\text{SO}_4^{2-}$     c) Reduction of Zn    d) Hydrolysis of  $\text{CuSO}_4$
- Titrations in which liberated  $\text{I}_2$  is estimated to carry out the volumetric estimations are known as ...titrations.  
a) Iodometric    b) Iodimetric    c) Acidimetric    d) Alkalimetric
- In the course of chemical reaction, an oxidant :  
a) Loses electron    b) Gains electron    c) Either of these    d) None of these
- In alkaline condition  $\text{KMnO}_4$  reacts as follows :  
 $2\text{KMnO}_4 + 2\text{KOH} \rightarrow 2\text{K}_2\text{MnO}_4 + \text{H}_2\text{O} + \text{O}$ . The eq. wt. of  $\text{KMnO}_4$  is :  
a) 52.7    b) 158    c) 31.6    d) 79
- Oxidation number of nitrogen in  $\text{AgNO}_3$  is:  
a) +5    b) -3    c) +3    d) -2
- Total number of  $\text{AlF}_3$  molecules in a sample of  $\text{AlF}_3$  containing  $3.01 \times 10^{23}$  ions of  $\text{F}^-$  is :  
a)  $9 \times 10^{24}$     b)  $3 \times 10^{24}$     c)  $7 \times 10^{23}$     d)  $10^{23}$
- Oxidation number of N in  $\text{NOCl}$  is :  
a) +3    b) +2    c) +1    d) +4
- The oxidation state of chlorine is highest in the compound :  
a)  $\text{Cl}_2$     b)  $\text{HCl}$     c)  $\text{Cl}_2\text{O}$     d)  $\text{Cl}_2\text{O}_7$
- How many gram of  $\text{KMnO}_4$  are contained in 4 litre of 0.05 N solution? The  $\text{KMnO}_4$  is to be used as an oxidant in acidic medium :  
a) 1.58 g    b) 15.8 g    c) 6.32 g    d) 31.6 g
- The reaction;  $\text{H}_2\text{S} + \text{H}_2\text{O}_2 \rightarrow 2\text{H}_2\text{O} + \text{S}$  shows :  
a) Acidic nature of  $\text{H}_2\text{O}_2$   
b) Alkaline nature of  $\text{H}_2\text{O}_2$   
c) Oxidising action of  $\text{H}_2\text{O}_2$   
d) Reducing action of  $\text{H}_2\text{O}_2$



- c) Oxygen donates as well as accept electrons
- d) Oxygen has a strong affinity for carbon

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