RAJESH INSTITUTE

 CHITRAGUPTA ASTHAN,THAKURBARI

WEEKLY TEST FOR CLASS 10th

 **CHEMISTRY**

1.Fill in the blanks:-

 (i)NaOH + ……………. =NaN$0\_{3}$ +$H\_{2}$O

(ii)Ca$(OH\_{2}$) + $Co\_{2}$ = ………………. + $H\_{2}$O

(iii)FeS$o\_{4}$ $→$ =…………… +$So\_{2}$ +$So\_{3}$

(iv)2Pb($No\_{3})\_{2}$ = 2PbO + …………… +$O\_{2}$

(v)Fe(s) +$H\_{2}$O(g) = ……………….. + $4H\_{2}$(g)

2.Multiple choice question :-

(i)$ NH\_{3}$+$O\_{2}$ =NO +$H\_{2}$O

The reducing agent in above reaction is……………………

 (a)$ NH\_{3}$ (b)$ O\_{2}$ (c)NO (d)$ H\_{2}$O

(ii)Which of then is not balanced reaction?

(a)Al + 2$H^{+}$ =$Al^{3+}$ + $H\_{2}$ (b)Cu +$Hg^{+}$ =$Cu^{2+}$ +Ag

(c)$ Zn^{2}$ + Mg =$Mg^{2+}$ +Zn (d)$ Cu^{2+}$ Zn =$Zn^{2+}$ +Cu

(iii)The public uninals, uncleaned give a strong smell of …………….. .

(a)$N\_{2}$ (b)$NH\_{3}$ (C)$ H\_{2}$S (d)$ So\_{2}$

(iv)When cut apple is kept for long time , turns brown because

(a)Fe present in it change to $Fe^{3+}$ (b)Fe present in it change to $Fe^{++}$ (c)FeO is formed (d)$ Fe^{3+}$ gets reduce to get $Fe^{2+}$

(v)The formula of ammonium oxalate is ……………….. .

3.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Reaction | Oxidising agent | Reducing agent | Substance oxidize | Substance getting reduce |
| (i)3Mg +$N\_{2}$ =$Mg\_{3}N\_{2}$ |  |  |  |  |
| (ii)$V\_{2}O\_{5}$+Ca = V + Cao |  |  |  |  |
| (iii)CuO +$H\_{2}$=Cu +$H\_{2}$O |  |  |  |  |
| (iv)Zn +Cu$So\_{4}$=ZN$So\_{4}$+Cu |  |  |  |  |
| (v)$ Cl\_{2}$+KI =KCl +$I\_{2}$ |  |  |  |  |

4.Which of the following can be use for storage of fresh sample of an oil for a long time?

(a)Carbon dioxide or Oxygen (b)Nitrogen or Chlorine

(c)Carbon dioxide or Helium (d)Helium or Nitrogen

5.Which of the following will give white ppt. with sodium sulphate solution?

(a)Barium Chloride (b)Barium Carbonate

(c)Barium Sulphate (d)Copper Chloride

6. Find the oxidation number :-