

## LEARNING TENDS TO INFINITY CLASSES

### CLASS 10 test no 03 chemistry chapter 1

#### PART A Multiple Choice questions

1 The Colour of the soln observed after 30 min of placing zinc metal to Copper sulphate soln is

a) blue b) colourless c) dirty green d) brown

2 what happen when Copper rod is dipped in iron Sulphate Soln a) Copper displace iron b) Blue colours of Copper Sulphate Soln is obtained c)) No reaction.d) None

3 A Student of added dilute Hcl to a test tube Containing Zinc granules and made observation

a) The Zinc Surface dull & black b) Soln Colourless c) a gas Envolved which burnt with pop sound d) Soln become green colour.

4 The Equation  $\text{Cu} + \text{XHNO}_3 \rightarrow \text{Cu}(\text{NO}_3)_2 + \text{Y No}_2 + 2\text{H}_2\text{O}$  The value of XAnd Y is a) 3&5 b) 8&6 c) 4&2 d) 7&1

5 A Substance which Oxidises itself & reduce Other is known. A) Oxidising agent b) reducing agent c) both of them d) None

6 In order to prevent the Spoilage of patato Chips, they are packed in plastic bag is an atmospher of a),,,,, b),,,, c) -,,,,, d) ,,,,,

7 which of the Statement about the reaction below are Incorrect  $2\text{Pbo}(\text{s}) + \text{C}(\text{s}) \rightarrow 2\text{pb}(\text{s}) + \text{CO}_2(\text{g})$  a) Lead is getting reduced b) Coz is getting Oxidised © Carbon is getting oxidised d) lead oxide is getting Reduced

8Identify the product which represents the solid state in the above reaction

.a) Barium chlorideb)Barium sulphatec) Sodium chlorided) Sodium sulphate

Answer these questions selecting the appropriate option given below: a) Both A and R are true, and R is the correct explanation of A. b) Both A and R are true, and R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true

9 Assertion - Rusting of iron is endothermic in nature

Reason.. As the reaction is slows the release of heat is barely evident

10 Assertion silver bromide decomposition is used in black and white photography

Reason light provide energy for this expthermic reaction

#### PART B VERY Short questions 1×5

11 Name the any 2 anti-oxidants, which are usuaully added to fat and oil Containing food to prevent rancidity

12 On what basic is a Chemical Equation balanced ?

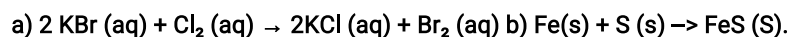
13 Name the brown Coloured gas Envolved when lead Nitrate Crystal are heatedl in a dry test tube

14 What is the formula of ferrous Sulphate.ans colour also ?



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15 Below are given 2 Chemical reaction



Which Is Combination and which is displacement.

**PART C 2 marks Questions any 5**

16 Dil HCl is added to Zn granules ? How will you prove that Chemical Change taken place her2 Support your response with 2 Argument

17 A Soln of a Substance "X" is used for white washing 1) name the Substance "X" & formula 2)write the reaction of the Substance "X" in water ?

18 A Shiny brown Coloured element X on heating in wir become black in colour name the element X and the black Coloured Compound formed write Chemical reaction also ?

19 why is respiration Considered as Exothermic process with reaction.?

Or Why is photosy theniss Considered as endothermic with reaction?

20 (a) Aluminuim hydroxide react with Sulphuric acid to form alumininum Sulphate & water

b) write a balancel Equation  $\text{MnO}_2 + \text{HCl} \rightarrow \text{MnCl}_2 + \text{Cl}_2 + \text{H}_2\text{O}$

21 What is redox reaction? Identify the Substance oxidised and the Substance reduced and oxidising agent and reducing agent in the following 1)  $\text{CuO} + \text{H}_2\text{O} \rightarrow \text{Cu} + \text{H}_2\text{O}$  2)  $\text{H}_2\text{S} + \text{Cl}_2 \rightarrow \text{S} + 2\text{HCl}$

**PART D 3 marks Questions 3×5 =15**

22 1)  $\text{A} + \text{BC} \rightarrow \text{AC} + \text{B}$  2)  $\text{AB} + \text{CD} \rightarrow \text{AC} + \text{BD}$  Identify and define the following above. types of reaction 1&2 and also Give one Example for Each types of in the form of balanced Chemical &lation

23 -State reason for the following i) Small amount of acird is added to water during electrolysis ofwater 2 when ammonium Chloride is dissolved in water in a test tube, the test tube become cold 3 Why iron Corrodes but aluminum does not?.

24 what is decomposition reaction ?. Give on Example of decompostion of reaction. Describe an activity to illustrate such a reaction by electolysis.

25 Write Completed balanced Equation 1)Calcuium (Solid) + Water (liquid)  $\rightarrow$  Calciumhydroxide (Soln) + Hydrogen gas. 2 ) whenr lead Nitrate is heated strongly, it break down in lead monoxide Nitrogen dioxide and Oxygen. 3 When Silver Nitrate is addeel to Sodium Chloride soln, then a while ppt of Silver chloride is formed along with sodium nitrate soln

26 1) Explain the term rancidity what damange is caused by it 2) what tyoes of Chemical reaction is responsible for rancidity 3) state amd explain the various method for preventing rancidity of food ?

**PART E 5 marks Questions**

