**KV CTPP CHHABRA**

**H0LIDAYS ASSIGNMENTS OF WINTER BREAK 2023-24**

**CLASS:- X (CHEMISTRY)**

Q1. What is litmus solution? (a) Extract of lichen (b) extract of algae (c) extract of fungi (d) bacteria [ ]

Q2. Which type of indicator can be used as vanilla, clove and onion? (a) Natural (b) Synthetic (c ) olfactory (d) All of these [ ]

Q3. Name the type of chemical reaction represented by the following equation:

 Q4. What is observed when a solution of potassium iodide solution is added to a solution of lead nitrate? Name the type of reaction. Write a balanced chemical equation to represent the above chemical reaction. Q5. Write balanced equations for the following mentioning the type of reaction involved. (i) Aluminium + Bromine —–> Aluminium bromide (ii) Calcium carbonate—–> Calcium oxide + Carbon dioxide (iii) Silver chloride—–>Silver + Chlorine

Q6 List any two observations when Ferrous Sulphate is heated in a dry test tube?

Q7. Identify the products formed when 1 mL of dil. Hydrochloric acid is added to 1g of Sodium metal?

For question numbers 8 two statements are given- one labeled Assertion (A) and the other labeled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:

 a) Both A and R are true, and R is correct explanation of the assertion.

 b) Both A and R are true, but R is not the correct explanation of the assertion. c) A is true, but R is false. d) A is false, but R is true.

Q8. Assertion: After white washing the walls, a shiny white finish on walls is obtained after two to three days. Reason: Calcium Oxide reacts with Carbon dioxide to form Calcium Hydrogen Carbonate which gives shiny white finish.

 Q9 Which of the following reactions is/ are an endothermic reaction(s) where decomposition also happens?

 (a)Respiration

(b) Heating of lead nitrate

(c) Decomposition of organic matter

 (d) Electrolysis of acidified water

 Q10.Silver chloride when kept in the open turns grey. Illustrate this with a balanced chemical equation.

 Q11.You might have noted that when copper powder is heated in a china dish, the surface of copper powder becomes coated with a black colour substance. (i) How has this black coloured substance formed? (ii) What is that black substance? (iii) Write the chemical equation of the reaction that takes place.?

 Suresh Kumar Principal

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