PRISM WORLD

Std.: 10 (English) **Science - I** **Marks: 20**

Date: **Time: 1 hrs**

Chapter: 3

Q.1 A) Choose the correct alternative and rewrite the sentence **(1)**

1) Methods to prevent corrosion are

a. Galvanising b.Tin plating c. Oil paints d. All of the above

B) Answer the following questions. **(2)**

i) Find co-related terms

Two reactants form a single product: Combination reaction :: One reactant forms two products: _____

ii) State true or false.

When KNO_3 (potassium nitrate) is added to water, the solution turns cold.

Q.2 A) Give scientific reason. (Any one) **(2)**

1) Rusting of iron is a chemical change, Explain.

2) A chemical change is associated with the evolution or absorption of energy. Explain.

B) Answe the following questions. (Any two) **(4)**

i) Distinguish between

Oxidation reaction and Reduction reaction

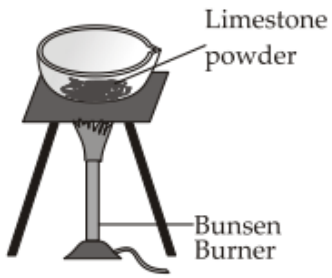
ii) Write Short Notes on

Rancidity.

3) Balanced equation.

Q.3 Answer the following questions. (Any two) **(6)**

1)



a) What will be the colour of the compound that will remain in the evaporating dish after the reaction ? b) Name the type of chemical reaction that occurs.
c) Write balanced chemical equation for this reaction.

2) What is the reaction called when oxidation and reduction take place simultaneously ? Explain with one example.

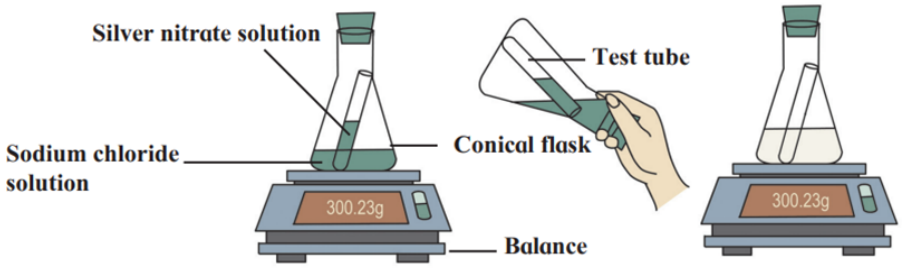
3) Complete the paragraph:

(Copper Sulphate, simple displacement, blue, Pale green, pink, Ferrous Sulphate, copper, iron)

An iron knife placed in ..... solution turns pinkish. The ..... solution of copper sulphate turns ..... The iron displaces the ..... which gets deposited as a pink layer on the knife. The iron itself combines with Sulphate ions and forms a green solution of ..... This is ..... .

Q.4 Answer the following questions. (Any one) **(5)**

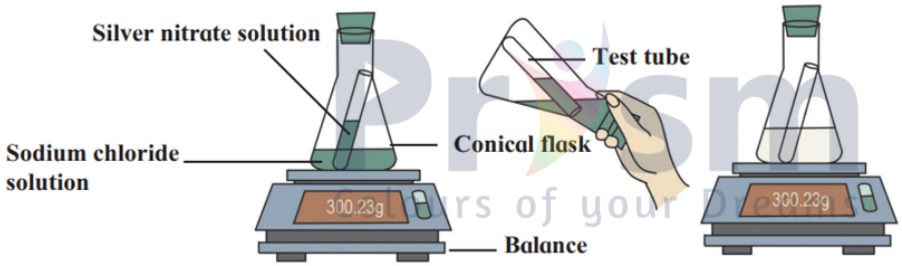
1) Observe the figure and answer the questions:



i. Write a balanced chemical reaction happening when two chemicals reacts with each other.

ii. Mass before chemical reaction and after chemical reaction remains same. Write reason for it.

2) Silver Nitrate reacts with sodium chloride answer the following questions.



i. Write word equation.

ii. Write chemical equation.

iii. Name the insoluble substance.

iv. Give the colour of insoluble substance.

v. Give one use of the reactants.