

Std. 8 General Science

Marks : 20 Ch.6 Chemical reaction and their types Time : ½ hr.

Q1 Fill in the blanks [3 M]

1. ----- is used in the hydrogenation of vegetable oil.
a) Raney nickel b) cobalt c) lemon
2. When quick lime is added to water -----is formed.
a) Calcium oxide b) calcium carbonate c) Calcium hydroxide
3. The reaction between hydrogen and chlorine is -----reaction.
a) a decomposition b) a reduction c) a combination

Q2 State whether True or False [3 M]

1. On heating , the colour of copper sulphate remain blue.
2. Rusting of iron is a fast reaction.
3. The reaction between salt and water is an example of an exothermic reaction.

Q3 Define the following. Any TWO [2 M]

1. Combination reaction
2. Decomposition reaction
3. Displacement reaction

Q4 Of which type is each of the following reactions Any TWO [2M]

1. $C + O_2 \longrightarrow CO_2$
2. $CaO + H_2O \longrightarrow Ca(OH)_2 + \text{heat}$
3. $2Mg + O_2 \longrightarrow 2MgO + \text{energy}$

Q5 Write the equation for each of the following reactions and name the reactants and products. Any TWO [4M]

1. Water was poured on Calcium oxide
2. Magnesium wire was lit .
3. Coal was burnt in air .

Q6 Answer any THREE of the following. [6 M]

1. What are the steps of writing chemical equation?
2. Explain with an example what is meant by oxidation.
3. What is catalyst? Name any one catalyst and reaction in which it is used.
4. What will happen when an electric current is passed through acidulated water.
