PRACTICE TEST PAPER: CLASS-X
CHEMICAL REACTION (paper – ii) (X)

1. Why respiration is considered an exothermic process?
2. What happens chemically when quicklime is added to water filled in a bucket?
3. Write the balanced chemical equations for the following:-
   A) Calcium hydroxide + carbon dioxide ----- calcium carbonate+water.
   B) Aluminium +copper chloride---------aluminium chloride + copper.
4. Balance the following equations:-
   a) $Al(OH)_3$ ---------- $Al_2O_3 + H_2O$
   b) $Al_2(SO_4)_3 + NaOH$---------$2Al(OH)_3 + 3Na_2SO_4$
   c) $2HNO_3 + Ca(OH)_2$ --------- $Ca(NO_3)_2 + 2H_2O$
   d) $BaCl_2 + H_2SO_4$ ----------$BaSO_4$ + Hcl.
5. A) What is meant by a chemical reaction? Explain with example.
   B)Give one example each of a:-
   (i)evolution of a gas (ii) change in colour (iii)formation of a precipitate(iv)change in temperature (v)change in state.
6. Give one example of a decomposition reaction which carried out
   (A) with electricity (B) By applying heat.
7. What is meant by (a) displacement reaction and (b) double displacement reaction? Explain with the help of example.
8. In the reaction represented by the following equation:-
   $CuO(S) + H_2(g)$ ----------$Cu(S) + H_2O(I)$
   (a) Name the substance oxidised (b) name the substance reduced
   (c) name the oxidising agent (d)name the reducing agent.
9. Explain the term 'corrosion' with an example. Write a chemical equation to show the process of corrosion of Iron.
10. Explain the term 'rancidity'. What damage is caused by rancidity? What type of chemical reaction is responsible for causing rancidity?
11. What do you understand by precipitation reaction? Give example.
12. Why should magnesium ribbon be cleaned before burning in air?
13. Ammonia reacts with oxygen to form nitrogen and water. Write a balanced chemical equation for this reaction.
14. Write a balanced chemical equation for the process of photosynthesis, giving the physical state of all the substances involved.
15. What are anti-oxidants? Give two examples.
16. Why are decomposition reactions called the opposite of combination reactions?

17.Explain main effects of oxidation reactions is everyday life.