

Assignment

1) One of the following does not happen during a chemical reaction. This is:

(ans) (c) An atom of one element change into those of another element to form new products.

2) Which of the following does not involve a chemical Reaction?

(ans) (d) Melting of Candle wax on heating

3) You are given the solution of lead nitrate. In order to obtain a yellow precipitate, you should mix it with a solution of:

(ans) (d) Potassium Iodide.

4) An acid which can decolorize purple coloured potassium permanganate solution is:

(ans) (a) Sulphuric Acid.

5) The chemical reaction between quick lime and water is characterized by :

(ans) (c) change in temperature of mixture

6) One of the following is an exothermic reaction. This is :

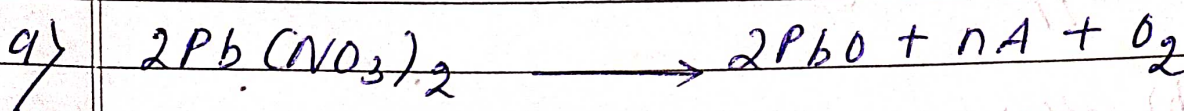
(ans) (c) Process of Respiration.

7) The chemical equations are balanced to satisfy one of the following laws in chemical reaction. This law is known as :-

(ans) (b) law of conservation of Mass.

8) The chemical reaction between quick lime and water is characterized by :

(ans) (c) change in temperature of mixture.



(ans) (b) 4NO_2

10) Which of the following reaction will not take place?

(ans) ~~(a)~~ ~~(b)~~ (c) $Zn + MgSO_4 \rightarrow ZnSO_4 + Mg$

11) The Equation

$Cu + xHNO_3 \rightarrow Cu(NO_3)_2 + yNO_2 + 2H_2O$, the value of x and y are:

(ans) (c) 4 and 2 respectively.

12) When the gases sulphur dioxide and hydrogen sulphide mix in the presence of water, the reaction $SO_2 + 2H_2S \rightarrow 2H_2O + 3S$ occurs. Here hydrogen sulphide is acting as:

(ans) (b) a reducing agent.

13) The layer on iron nails when they are dipped in copper sulphate solution is:

(ans) (b) Hard and shiny.

14) The substances which combine or react are known as

(ans) (a) Reactant.

15) The new substances formed during chemical reaction are known as

(ans) (c) Product.

16) The process of respiration is

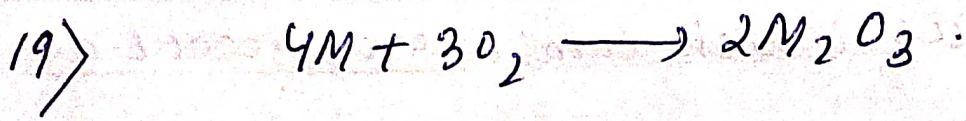
(ans) (d) an oxidation reaction which is exothermic.

17) In context of redox reaction, the removal of hydrogen from a substance is known as:

(ans) (a) Oxidation.

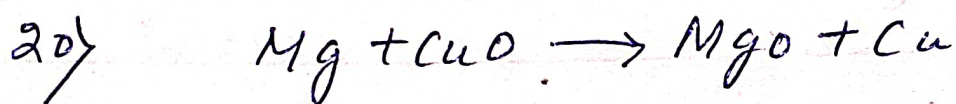
18) The chemical reaction involved in the corrosion of iron metal is that of:

(ans) (c) Oxidation as well as combination.



This Equation Represents

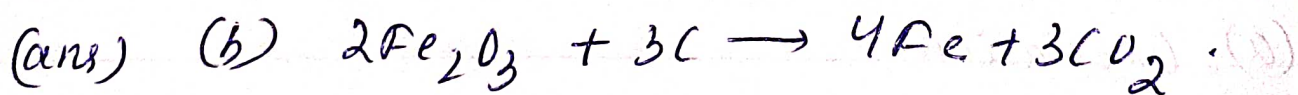
(ans) (d) Combination reaction as well as oxidation reaction.



This equation Represents:

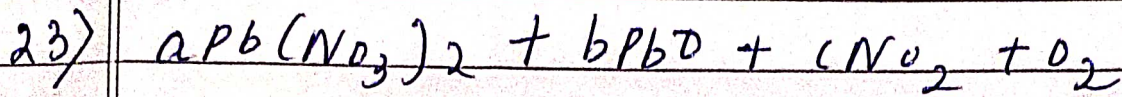
(ans) (c) Redox reaction as well as displacement reaction.

21) Which of the following is a balanced chemical reaction?



22) The term rancidity Represents.

(ans) (b) Oxidation of fatty food.



a, b, c in the above balanced equation is .

(ans) (a) 2, 2, 4.

24) Corrosion can be prevented by

(ans) (d) all of the above .

25) As compare to iron, aluminium has :

(ans) (b) lesser tendency to oxidise .