

MT EDUCARE LTD.

ICSE X

SUBJECT : **CHEMISTRY**

ACIDS, BASES AND SALTS

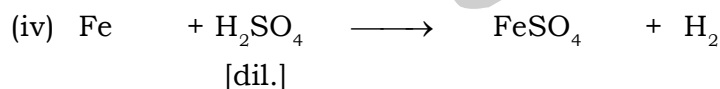
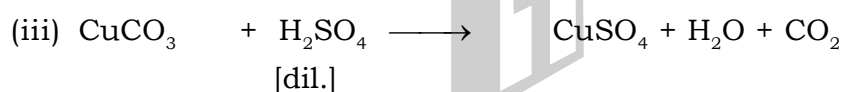
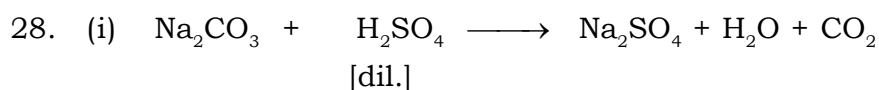
Assignment Sheet

STEP UP ANSWERSHEET

25. (i) Hydronium
(ii) Hydroxide
(iii) Salt [2013]

26. (i) Water of crystallization
(ii) Deliquescence [2013]

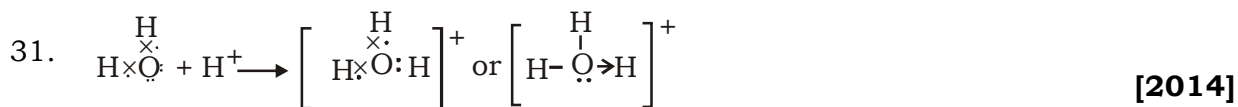
27. (i) (A) Carbon monoxide
(ii) (C) Zinc oxide [2013]



[2013]

29. Acetic acid [2013]

30. 1 [2014]



32. (i) MgCl_2

(ii) AgCl

(iii) ZnCO_3

(iv) $\text{Ca}(\text{NO}_3)_2$

[2015]

33. alkaline [2016]
34. (i) (C) Neutralization
(ii) (A) Simple displacement
(iii) (E) Combination
(iv) (B) Titration
(v) (D) Precipitation [2016]
35. (i) When crystals of washing soda are exposed to air, they lose 9 water molecules of crystallization and becomes monohydrate forming a white powder. Thus shows the phenomenon of efflorescence.
$$\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O} \xrightarrow{\text{Dry air}} \text{Na}_2\text{CO}_3 \cdot \text{H}_2\text{O} + 9\text{H}_2\text{O}$$
- (ii) The salt ferric chloride when exposed to the atmosphere, absorbs water molecules to become moist and show the phenomenon of deliquescence. [2016]
36. OH^- [2017]
37. (C) an alkali [2017]
38. (i) $\text{CuSO}_4 + 2\text{NaHCO}_3 \longrightarrow \text{Na}_2\text{SO}_4 + \text{CuCO}_3 + \text{H}_2\text{O} + \text{CO}_2$
(ii) $2\text{NH}_4\text{OH} + \text{H}_2\text{SO}_4 \longrightarrow (\text{NH}_4)_2\text{SO}_4 + 2\text{H}_2\text{O}$ [2017]

