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SECTION-B

Practical Based Questions

1. To determine the pH of the following samples by using pH paper/universal indicator :	298
(i) Dilute hydrochloric acid	(ii) Dilute sodium hydroxide
(iii) Water	(iv) Dilute ethanoic acid
(v) Lemon juice	(vi) Dilute sodium bicarbonate solution
1A. To study the properties of acids and bases (HCl and NaOH) by their reaction with :	300
(i) Litmus solution (blue/red)	(ii) Zinc metal
(iii) Solid sodium carbonate.	
2. To perform and observe the following reactions and classify them into :	302
(i) Combination Reaction	(ii) Decomposition Reaction
(iii) Displacement Reaction	(iv) Double Displacement Reaction
1. Action of water on quick lime	
2. Action of heat on ferrous sulphate crystals	
3. Iron nails kept in copper sulphate solution	

4. Reaction between sodium sulphate and barium chloride solutions.

Or

3. (a) To observe the action of Zn, Fe, Cu and Al metals on the following salt solutions : 306
(i) $\text{ZnSO}_4(\text{aq})$ (ii) $\text{FeSO}_4(\text{aq})$ (iii) $\text{CuSO}_4(\text{aq})$ (iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$
(b) To arrange Zn, Fe, Cu and Al metals in the decreasing order of reactivity based on the above results.
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