

- Q.1 15 mL of water and 10 mL of sulphuric acid are to be mixed in a beaker
- (i) State the method that should be followed with reason.
- (ii) What is this process called?
- Q.2 Classify the following salts into acidic, basic and neutral: Potassium sulphate, ammonium chloride, sodium carbonate, sodium chloride
- Q.3 (a) What is an alkali? Give an example.
- (b) Why do HCl, HNO_3 , etc. show acidic characters in aqueous solutions while solutions of compounds like alcohol and glucose do not show acidic character?
- Q.4 What would be the colour of red litmus in a solution of sodium carbonate?

