

## CONTENTS

Expt. No.	Description	Page No.
1.	Estimation of HCl using Na <sub>2</sub> CO <sub>3</sub> as primary standard and Determination of alkalinity in water sample .....	7
2.	Determination of total, temporary & permanent hardness of water by EDTA method .....	15
3.	Determination of DO content of water sample by Winkler's method .....	23
4.	Determination of chloride content of water sample by argentometric method .....	29
5.	Estimation of copper content of the given solution by Iodometry .....	33
6.	Determination of strength of given hydrochloric acid using pHmeter .....	37
7.	Determination of strength of acids in a mixture of acids using conductivity meter .....	43
8.	Estimation of iron content of the given solution using potentiometer .....	47
9.	Estimation of iron content of the water sample using spectrophotometer (1, 10-Phenanthroline / thiocyanate method) .....	51
10.	Estimation of sodium and potassium present in water using flamephotometer .....	55
11.	Determination of molecular weight of polyvinyl alcohol using Ostwald viscometer .....	59
12.	Conductometric titration of strong acid vs strong base .....	63
	Short Procedure .....	66
	Laboratory First Aid .....	70