



CHEMISTRY HSSC LIST OF PRACTICAL

(A)	SALT ANALYSIS
01	AlCl ₃
02	BaCl ₂
03	CuSO ₄
04	FeCl ₃
05	MgSO ₄
06	Pb(CH ₃ COO) ²
07	CaCO ₃
08	Al(NO ₃) ₃
09	Cr ₂ (SO ₄) ₃
10	CaCl ₂
11	Zn(NO ₃) ₂
12	CrCl ₃
13	(NH ₄) ₂ CO ₃
14	FeSO ₄
15	Al ₂ (SO ₄) ₃
(B)	ACID BASE/ REDOX TITRATIONS
16	The given solution contains 6 grams of Na ₂ CO ₃ dissolved per dm ³ . Determine the percentage purity of the sample solution by volumetric method.
17	Standardize the given solution of KMnO ₄ and Calculate the volume of KMnO ₄ required for preparing 1dm ³ of 0.01M KMnO ₄ solution volumetrically.
18	Determine the percentage composition volumetrically of a solution mixture of and K ₂ SO ₄
19	The given solution contains 6 grams of Na ₂ CO ₃ dissolved per 250 cm ³ . Determine the percentage purity of the sample solution by volumetric method.
20	The given solution contains 6 g of a mixture of HCl and NaCl dissolved per dm ³ . Determine the percentage composition of the mixture you are given 0.1M NaOH solution.
21	The given solution contains 6.3 grams of (COOH) ₂ . XH ₂ O dissolved per dm ³ . Find out value of X. You are provided with 0.1M NaOH solution.
22	The given solution contains 10 grams of a mixture of NaCl and Na ₂ CO ₃ dissolved per dm ³ . Find out percentage composition of the mixture. You are provided with 0.05 M H ₂ SO ₄ solution.
23	Determine the percentage purity of Na ₂ CO ₃ the solution containing 10gram of impure Na ₂ CO ₃ sample dissolved per litre. You are given 0.1M HCl solution.
24	28.6 grams of washing soda (Na ₂ CO ₃ .XH ₂ O) have been dissolved / dm ³ calculate the number of water molecules of crystallization. You are provided with 0.1 M HCl solution.
25	Determine the strength dissolved per litre of Ferrous Sulphate solution by titrating it against 0.02M KMnO ₄ .



(C)	PREPARATIONS AND FUNCTIONAL GROUP IDENTIFICATIONS
26	Separate the given mixture of inks by paper chromatography.
27	Crystallize Benzoic acid from water.
28	Purify given sample of sodium Chloride by passing Hcl gas (Application of common ion effect).
29	Preparation of Aspirin.
30	Preparation of Iodoform.
31	Preparation of Phenyl glucosazone.
32	Preparation of Copperammine complex.
33	Identify the Phenol functional group.
34	Identify the Aldehydic and Ketonic functional group.
35	Identify the Carboxylic acid functional group.