



FEDERAL BOARD OF INTERMEDIATE AND SECONDARY EDUCATION
H-8/4, ISLAMABAD



CHEMISTRY HSSC
(National Curriculum 2006)
PRACTICAL EXAMINATION 2024

S #	List of Practicals
1.	AlCl_3
2.	BaCl_2
3.	CuSO_4
4.	FeCl_3
5.	MgSO_4
6.	$\text{Pb}(\text{CH}_3\text{COO})_2$
7.	CaCO_3
8.	$\text{Al}(\text{NO}_3)_3$
9.	$\text{Cr}_2(\text{SO}_4)_3$
10.	CaCl_2
11.	$\text{Zn}(\text{NO}_3)_2$
12.	CrCl_3
13.	$(\text{NH}_4)_2\text{CO}_3$
14.	Fe SO_4
15.	$\text{Al}_2(\text{SO}_4)_3$
16.	The given solution contains 6gms of Na_2CO_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 1 dm^3 of 0.01M KMnO_4 Solution Volumetrically.
18.	Determine the Percentage Composition Volumetrically of a Solution Mixture of $\text{K}_2\text{C}_2\text{O}_4$ and K_2SO_4 .
19.	The given solution contains 6gms of Na_2CO_3 dissolved per 250 cm^3 . Determine the Percentage Purity of the Sample Solution by Volumetric Method
20.	Separate the Given Mixture of Inks by Paper Chromatography

21.	Crystallize Benzoic Acid from water
22.	Purify a Given Sample of Sodium Chloride by Passing HCl Gas. (Application of common ion effect)
23.	Prepare Nickel Dimethyl Glyoxime.
24.	Prepare Ethylene from Ethylene Bromide
25.	Prepare Iodoform.
26.	Identify the Phenol Functional Group
27.	Prepare Glucosazone
28.	Identify the Aldehyde and Ketone Functional
29.	Identify the Carboxylic Acid Functional Group.

Questions to be asked in place of Practical Notebook and Viva Voce. (Total Marks 08)
Write answers of any Four of the following questions on your answer sheet.

Q.NO	Questions	Marks
1.	Select the oxidizing agent: oxalic acid, ferrous sulphate, $K_2Cr_2O_7$, Mohr's Salt.	(2)
2.	What happens when chlorine salt is heated with conc. H_2SO_4 ?	(2)
3.	In acid base titration experiments. What is always poured in the burette?	(2)
4.	In redox titration $FeSO_4$ is changed to which compound? Write formula.	(2)
5.	Glucosazone can be prepared by the mixing of the different compounds. Write the name used for the preparation of Glucosazone.	(2)

Note: The above questions will be asked from students as replacement of the marks of Practical Notebook and Viva Voce. The rest of the conduct/format of practical examination will continue as per practice in vogue.