

PACE EDUCATIONAL TRUST
PACE JUNIOR SCIENCE COLLEGE, DADAR

Plot no-446, Opp Shardashram Society, Bhavani Shankar Road, Dadar (W), Mumbai- 400028

CHEMISTRY PRACTICAL LIST

Following is the list for the experiments to be entered in your **chemistry** journal.

Submission date for journals: **29th August 2013**

No journal will be entertained after the due date.

Sr.No	Experiments
	VOLUMETRIC ANALYSIS
1	To determine the molarity of KMnO_4 solution by titrating it against std. Ferrous ammonium sulphate.
2	To determine the molarity of KMnO_4 solution by titrating it against std. Oxalic acid.
	PHYSICAL EXPERIMENTS
3	To determine the heat of neutralization of a strong acid and base
4	To determine the heat of reaction of displacements of copper by zinc
5	To study the effect of concentration on the rate of reaction between sodium thiosulphate and hydrochloric acid
	DETECTION OF TWO BASIC RADICALS
	To identify two basic radicals in the given mixture
6	1) Cu^{2+} 2) NH_4^+
7	1) Al^{3+} 2) NH_4^+
8	1) Mg^{2+} 2) NH_4^+
9	1) Ba^{2+} 2) NH_4^+
10	1) Pb^{2+} 2) NH_4^+
11	1) Ni^{2+} 2) NH_4^+
	DETECTION OF TWO ACIDIC RADICALS
	To identify two acidic radicals in the given mixture
12	1) CO_3^{2-} 2) Cl^-
13	1) CO_3^{2-} 2) NO_3^-
14	1) CO_3^{2-} 2) SO_4^{2-}
15	1) CO_3^{2-} 2) Br^-
16	1) SO_4^{2-} 2) NO_3^-
	ORGANIC CHEMISTRY EXPERIMENTS
	To determine the functional group of a given organic compound
17	Carboxylic acid (-COOH)
18	Phenol (Ar-OH)
19	Amine (- NH_2)
20	Carboxylic acid (-COOH)
21	Ketone (-CO-)

22	Amine (-NH ₂)
23	Alcohol (-OH)
	PREPARATION OF ORGANIC AND INORGANIC COMPOUND
24	Preparation of phthalic anhydride from phthalic acid
25	Preparation of potash alum

➤ **For volumetric analysis and Physical experiments:**

L.H.S	R.H.S
Observation	Aim
Observation Table	Theory
Calculations	Procedure
	Results

➤ **Every Practical should be written on new page.**