

SARDAR PATEL UNIVERSITY
B.Sc. FIRST SEMESTER
Core Course - Chemistry Practical
US01CCHE22 (P)
Effective from June 2018
2 Credits, 4 hours per week
External Marks -50 ; Exam duration: 2 hours

Exercise	Description In Detail	Weightage
I	Volumetric analysis of strong acid [HCl] and weak acids [oxalic acid/Acetic acid] against strong base [NaOH].	30%
II	Identification of Organic substance [14 substances]. Like organic spotting, detection of elements, Type of compound like aliphatic/aromatic, Nature (acidic/basic/neutral), Functional group(s) analysis, and m.pt. /b.pt. Benzoic acid, Salicylic acid, β -Naphthol, p-nitroaniline/m-nitroaniline, Acetanilide, Urea, Naphthalene, p-dichlorobenzene, m-dinitrobenzene, Acetone, Benzaldehyde, Methanol, Methyl acetate, Aniline, Dextrose.	70%

Basic text and Reference Books :

1. Mendham, J., Denney, R. C., Barnes, J. D., Thomas, M. J. K., *Vogel's textbook of quantitative chemical analysis*, 6th Edition.
2. Pandey, O. P., Bajpai, D. N., Giri, S., *Practical Chemistry*.
3. Ghoshal, Mahapatra, Nad, *An Advanced course in Practical Chemistry*.