

**SARDAR PATEL UNIVERSITY**  
**Programme: B.Sc**  
**Semester: II**  
**Syllabus with effect from: November-2011**

<b>Paper Code: US02CCHE03</b>	<b>Total Credit: 2</b>
<b>Title of Paper: Practical</b>	

<b>Unit</b>	<b>Description in detail</b>	<b>Weightage (%)</b>
	<b>Volumetric Analysis:</b> To determine the amount of carbonates and bicarbonates in mixture. To determine the molarity and gm/lit of NaOH and Na <sub>2</sub> CO <sub>3</sub> in mixture. To determine amount of Fe <sup>+2</sup> by K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> using biphenyl amine as an Internal indicator.	
	<b>Organic Spotting:</b> Benzoic acid, Salicylic acid, β-Naphthol, p-nitroaniline/m-nitroaniline, Acetanilide, Urea, Naphthalene, p-dichlorobenzene, m-dinitrobenzene, Acetone, Benzaldehyde, CHCl <sub>3</sub> , CCl <sub>4</sub> , Methanol, Toluene, Ethylacetate, Aniline, Benzamide, Nitrobenzene. The above compounds must be characterized by M.P. / B.P.	

**Basic Text & Reference Books:**

- Vogel's textbook of quantitative chemical analysis, 6th Edition, J mendham, R C Denney, J D Barnes, M J K Thomas.
- Practical Chemistry, OP Pandey, D N Bajpai, S Giri.
- An Advanced Course in Practical Chemistry, Ghoshal, Mahapatra, Nad.

