

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

<b>Paper Code: US01CCHE03</b>	<b>Total Credit: 2</b>
<b>Title of Paper: Chemistry Practical</b>	

Unit	Description in Detail	Weightage (%)
I	<b>Volumetric</b> To determine amount Cu+2 by using Fast sulphon Black . F indicator To determine amount of Ni+2 by EDTA using murexide indicator. To determine amount of Mg+2 by EDTA using Eriochrom Black . T	
II	<b>Analysis of Inorganic Substances</b> Pb(NO <sub>3</sub> ) <sub>2</sub> , CdCl <sub>2</sub> , Cu <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> , CaCO <sub>3</sub> , Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> , MnSO <sub>4</sub> , NiCO <sub>3</sub> , CuS, ZnS, BaCl <sub>2</sub> , Sr(NO <sub>3</sub> ) <sub>2</sub> , ZnCO <sub>3</sub> , MgSO <sub>4</sub> , AlPO <sub>4</sub> , K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> , KBr, KCl/NH <sub>4</sub> Cl, KI, (NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub> , ZnO, MnO <sub>2</sub>	

**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, O P Pandey, D N Bajpai, S Giri
- An Advanced course in Practical Chemistry, Ghoshal, Mahapatra, Nad.

