

SARDAR PATEL UNIVERSITY

Programme: B.Sc (Chemistry)

Semester: IV

Syllabus with effect from: November/December-2012

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| Paper Code: US04CCHE03 | Total Credit: 2 |
| Title Of Paper: Practical | |

| | Description in detail | |
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| 1 | Binary Organic Mixture: [Solid + Solid or Solid + liquid i.e. (acetone, methyl acetate, ethanol, benzene, CCl ₄)]. | |
| 2 | Volumetric Titration (By self preparation of solution of titrant): (1) Determination of equivalent weight of carboxylic acid by alkali solution. (2) Determination of glucose. (3) Determination of formaldehyde by sodium hypo iodide. | |
| 3 | Gravimetric Analysis (1) ZnCO ₃ (2) BaCl ₂ .2 H ₂ O | |
| 4 | Preparation Of Standard Solutions | |

Basic Text & Reference Books:-

- Vogel's Testbook of Quantitative Chemical Analysis, 5th Edition By G.H.Jeffery, J.Basset, J.Mendham, R.C.Denney.
- Vogel's Testbook Of Qualitative Inorganic Analysis By G.Svehla
- Practical Chemistry By O.P.Pandey, D.N.Bajpai & S.Giri
- An Advanced Course In Practical Chemistry By Ghoshal, Mahapatra & Nad

