

SARDAR PATEL UNIVERSITY
Programme & Subject: M.Sc (Industrial Chemistry)
Semester: IV
Syllabus with Effect from: June - 2015

Paper Code: PS04EICH06	Total Credit: 4
Title Of Paper: Advanced Analytical Chemistry	

Unit	Description in Detail	Weightage (%)
Sophisticated Instrumentation with special emphasis on principle, working and application of		
I	Raman spectroscopy	25%
II	Inductively coupled plasma (ICP),	25%
III	TEM	25%
IV	Particle Size analyzer	25%

Basic Text & Reference Books:-

- Analytical Chemistry –Dr. Alka Gupta, PragatiPrakashan.
- Instrumental Methods of Chemical Analysis-Chatwal and Anand.
- Instrumental Methods of Chemical Analysis-B. K. Sharma.
- Instrumental Methods of Chemical Analysis-Skoog, west, Holler.
- Instrumental Methods of Chemical Analysis- Willard Merriett and Dean.

