

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

<b>Paper Code: PS04EICH06</b>	<b>Total Credit: 4</b>
<b>Title Of Paper: Advanced Analytical Chemistry</b>	

<b>Unit</b>	<b>Description in Detail</b>	<b>Weightage (%)</b>
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.

