

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

<b>Paper Code: PS03CICH09</b>	<b>Total Credit: 4</b>
<b>Title Of Paper: Pharmaceutical Technology</b>	

<b>Unit</b>	<b>Description in Detail</b>	<b>Weightage (%)</b>
I	<b>Normal dosage forms:</b> Solid dosage forms, Semi solid dosage – ointments, creams and gels, Liquid dosage forms	25%
II	<b>New dosage forms:</b> Control release dosage forms, Biodegradable polymer based microspheres for control drug delivery, Biodegradable nanoparticles, Nasal powder drug delivery, Aerosol drug delivery	25%
III	<b>Tablet production:</b> Pharmaceutical pre-formulations, Role of pre-formulation in development of solid dosage forms, Tablet design, Tablet production systems, Tablet compression	25%
IV	<b>GMP, GLP &amp; Validation</b>	25%

**Basic Text & Reference Books:-**

- Handbook of pharmaceutical manufacturing, Edited by Shayne Cox Gad, Willey interscience, USA
- Remington: The science and practice of pharmacy, 19th edition, A.R. Gennaro, Mack pub. Co.
- Modern pharmaceuticals, G.S.Banker, Informa healthcare.
- Ansel's Pharmaceutical dosage forms and drug delivery systems, 8th edition, H.C.Ansel, Lippincott Williams and wilkins publisher.

