

**SARDAR PATEL UNIVERSITY**  
**Programme & Subject: B.Sc (Mathematics)**  
**Semester: V**  
**Syllabus with Effect from: June-2013**

<b>Paper Code: US05CMTH07</b>	<b>Total Credit: 3</b>
<b>Title Of Paper: Practical - I</b>	

	<b>Description in detail</b>	
1	Introduction to SCILAB computing environment and basic commands	
2	Basic Arithmetic operations and expressions - I	
3	Basic inbuilt functions of SCILAB	
4	Error Interpretation and correction in SCILAB Interactive Mode	
5	Verification of Matrix results	
6	Solving a system of linear equations using inverse matrix method.	
7	Solution of systems of equations using 'solve' command	
8	Solution of differential equations using 'dsolve' command	

**Note:-**

The practicals will be done using the softwares like SCILAB , Matlab Mathcad 2001 student edition , MACSYMA ProLite , Eureka or any others softwares.

