

**SARDAR PATEL UNIVERSITY**  
**Programme MSC**  
**(Under the Choice based Credit Scheme)**  
**SEMESTER- IV**  
**STRUCTURE WITH EFFECT FROM:2018-19**



**Mathematics**

Course Type	Course Code	Name of Course	T /P	Credit	Exam Duration in hrs	Component of Marks		
						Internal	External	Total
						Total/ Passing	Total/ Passing	Total/ Passing
Core Courses	PS04CMTH21	Complex Analysis II	T	4	3	30/10	70/28	100/40
	PS04CMTH22	Mathematical Methods II	T	4	3	30/10	70/28	100/40
	PS04CMTH23	Comprehensive Viva	T/P	1	3	-	50/20	50/20
Elective Courses	PS04EMTH46	Banach Algebras	T	4	3	30/10	70/28	100/40
	PS04EMTH32	Computer Programming and Software	T	4	3	30/10	70/28	100/40
	PS04EMTH33	Financial Mathematics I	T	4	3	30/10	70/28	100/40
	PS04EMTH34	Financial Mathematics II	T	4	3	30/10	70/28	100/40
	PS04EMTH35	Graph Theory I	T	4	3	30/10	70/28	100/40
	PS04EMTH36	Graph Theory II	T	4	3	30/10	70/28	100/40
	PS04EMTH37	Group Theory	T	4	3	30/10	70/28	100/40
	PS04EMTH38	Mathematical Probability Theory	T	4	3	30/10	70/28	100/40
	PS04EMTH39	Number Theory and Cryptography	T	4	3	30/10	70/28	100/40
	PS04EMTH40	Operations Research	T	4	3	30/10	70/28	100/40
	PS04EMTH41	Operator Theory	T	4	3	30/10	70/28	100/40
	PS04EMTH42	Problems and Exercises in Mathematics II	T	4	3	30/10	70/28	100/40
	PS04EMTH43	Relativity I	T	4	3	30/10	70/28	100/40
	PS04EMTH44	Relativity II	T	4	3	30/10	70/28	100/40
	PS04EMTH45	Topology II	T	4	3	30/10	70/28	100/40
				25		180	470	650