



**SARDAR PATEL UNIVERSITY**  
 (Under the Choice based Credit Scheme)  
**STRUCTURE WITH EFFECT FROM:2022-23**  
**M.Sc. (Mathematics) Semester - 4**



Course Type	Course Code	Name of Course	Focus on Employability/ Skill Development/ Entrepreneurship	T /P	Credit	Exam Duration in hrs	Component of Marks		
							Internal	External	Total
							Total/Passing	Total/Passing	Total/Passing
Core Courses	PS04CMTH51	Complex Analysis - II	Employability	T	4	3	30/10	70/28	100/40
	PS04CMTH52	Mathematical Methods - II	Employability	T	4	3	30/10	70/28	100/40
	PS04CMTH53	Comprehensive Viva	Employability	T/P	1	-	-	50/20	50/20
Elective Courses	PS04EMTH51	Topology - II	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH52	Graph Theory - II	Skill Enhancement	T	4	3	30/10	70/28	100/40
	PS04EMTH53	Banach Algebras	Skill Enhancement	T	4	3	30/10	70/28	100/40
	PS04EMTH54	Python Programming and Mathematical Algorithms	Employability, Skill Enhancement	T	4	3	30/10	70/28	100/40
	PS04EMTH55	Financial Mathematics	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH56	Theory of General Relativity	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH57	Advanced Group Theory	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH58	Mathematical Probability Theory	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH59	Number Theory and Cryptography	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH60	Problems and Exercises in Mathematics - II	Employability, Skill Enhancement	T	4	3	30/10	70/28	100/40
	PS04EMTH61	Operator Theory	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH62	Problems and Exercises in Mathematics - III	Employability, Skill Enhancement	T	4	3	30/10	70/28	100/40
	PS04EMTH63	Theory of Special Relativity	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH64	Special Functions-I	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH65	Special Functions-II	Employability	T	4	3	30/10	70/28	100/40
	PS04EMTH66	Approximation Theory	Employability	T	4	3	30/10	70/28	100/40
PS04EMTH67	Mathematical Modelling	Employability	T	4	3	30/10	70/28	100/40	
					25		180	470	650