

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Vashi
(Autonomous)

Department of Mathematics
M.SC. Mathematics (CBCS - SYSTEM 2021-22)

Sr.No.	Program	Semester	Core Course (CC) (6 credits per course)	Discipline Specific Elective (DSE) (6 credits per course)	Skill Enhanced Course (SEC) (4 credits per course)
1	MSC-I Mathematics	I	Algebra-I	Discrete Mathematics or Elementary Probability Theory and Statistics	Introduction to R Programming-I
			Analysis-I		
			Complex Analysis		
		II	Algebra-II	Differential Equation or Optimization Techniques	Introduction to R Programming-II
			Topology		
			Research Methodology		
2	MSC-II Mathematics	III	Algebra-III	Numerical Methods or Graph Theory or Design Theory	Integral Transform
			Analysis-II		
			Differential Geometry		
		IV	Field Theory	Fourier Analysis or Mathematical Modelling or Calculus on Manifolds	Project
			Functional Analysis		
			Partial Differential Equations		

CC: Core Course (these courses are compulsory to the students)

DSE: Discipline Specific Elective (Students can choose any one)

SEC: Skill Enhanced Course (Compulsory Skill Based Course)

Credits: Part-I (28+28), Part-II (28+28), **Total Credits: 112**