

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

**Department of Mathematics  
B.Sc. Mathematics (CBCS - SYSTEM)**

CLASS	SEM	Core Course CC (3 credits)	Ability Enhancement Compulsory Courses - AECC (2 credits)	Skill Enhancement Courses SEC (4 credits)	Discipline Specific Elective DSE (6 credits)
FYBSc	I	Maths-1 :Calculus-I (2+1)	EVS / CS	.....	.....
		Maths-2 : Algebra-I(2+1)			
	II	Maths-3 :Calculus-II (2+1)	CS / EVS	.....	.....
		Maths-4 : Algebra-II(2+1)			
SYBSc	III	Maths-5: Multivariable Calculus-I (2+1)	.....	<b>Maths_SEC-1:</b> Logic and Sets/ Integral Calculus/ Discrete Mathematics	.....
		Maths-6: Abstract Algebra-I (2+1)			
		Maths-7: Ordinary Differential Equation (2+1)			
	IV	Maths-8: Integral Calculus (2+1)	.....	<b>Maths_SEC- 2:</b> Theory of Equations/ Number Theory	.....
		Maths-9: Linear Algebra-I (2+1)			
		Maths-10: Partial Differential Equation (2+1)			
TYBSc	V	---	.....	<b>Maths_SEC-3:</b> Python-I/ Mathematical Finance	Maths-11: Multivariable Calculus-II (4+2)
					Maths-12: Abstract Algebra-II (4+2)
					Maths-13: Real Analysis-I (4+2)
					Maths-14: Numerical Analysis I (4+2)
	VI	---	.....	<b>Maths_SEC-4:</b> Python-II/ Boolean Algebra/ Transportation and Game Theory	Maths-15: Basic Complex Analysis (4+2)
					Maths-16: Linear Algebra-II (4+2)
					Maths-17: Real Analysis-II (4+2)
					Maths-18: Numerical Analysis-II (4+2)