

**PARK' S COLLEGE (AUTONOMOUS)-TIRUPUR****Department Of Mathematics****Scheme of Curriculum for B.Sc MATHEMATICS [CA] Course Based on CBCS (2016-2017 and Onwards)**

Sem	Part	Type	Subject Code	Subject & Paper	HRS /week	CIA	ESE	Max. Marks	Exam Hours	Credit
<b>I</b>	I	L1		Language paper -1	5	25	75	100	3	3
	II	E1		English paper-1	5	25	75	100	3	3
	III	C1		Classical Algebra	5	25	75	100	3	5
	III	C2		Calculus	5	25	75	100	3	5
	III	AL1		Mathematical Statistics-I	6	25	75	100	3	5
	IV	FCA		General Awareness	2	-	50	50	3	1
	IV	FCD		Soft skills	2	-	-	-	-	-
<b>II</b>	I	L2		Language paper -2	5	25	75	100	3	3
	II	E2		English paper-2	5	25	75	100	3	3
	III	C3		Analytical Geometry	5	25	75	100	3	5
	III	C4		C-Programming	4	12	38	50	3	3
	III	CP1		C-Programming Practical	2	20	30	50	3	2
	III	AL2		Mathematical Statistics-II	5	25	75	100	3	5
	IV	FCB		Human Rights & constitution of India	2	-	50	50	3	1
IV	FCD		Soft skills	2	-	-	-	-	-	
<b>III</b>	III	C5		Statics	6	25	75	100	3	5
	III	C6		Trigonometry , Vector Calculus and Fourier Series	5	25	75	100	3	4
	III	C7		Object Oriented Programming with C++	4	12	38	50	3	3
	III	CP2		C++ Practical	2	20	30	50	3	2
	III	AL3		Business Accounting	5	25	75	100	3	5
	IV	SB1		Skill Based-I: Operations Research -I	4	25	75	100	3	2
	IV	OL1		Other Language-I(H/F/T)	2	25	75	100	3	2
IV	FCD		Soft skills	2	-	-	-	-	-	

Sem	Part	Type	Subject Code	Subject & Paper	HRS /week	CIA	ESE	Max. Marks	Exam Hours	Credit
IV	III	C8		Dynamics	6	25	75	100	3	5
	III	C9		Differential Equations & Laplace Transforms	5	25	75	100	3	4
	III	C10		Java Programming	4	12	38	50	3	3
	III	CP3		Java Programming- Practical	2	20	30	50	3	2
	III	AL4		Cost and management Accounting	5	25	75	100	3	5
	IV	SB2		Skill Based-II: Operations Research -II	4	25	75	100	3	2
	IV	OL2		Other Language-II(H/F/T)	2	20	30	50	3	2
	V	EA		Extension Activities	-	-	-	-	-	-
	IV	FCD		Soft skills	2	-	-	-	-	-
V	III	C11		Real Analysis -I	5	25	75	100	3	4
	III	C12		Modern Algebra-I	5	25	75	100	3	4
	III	C13		Complex Analysis-I	6	25	75	100	3	4
	III	EL1		Elective –I	4	25	75	100	3	5
	IV	SB3		Skill Based-III: Visual Basic	4	25	75	100	3	2
	IV	SB4		Skill Based-IV: Visual Basic - Practical	2	40	60	100	3	2
	IV	FCC		Environmental studies	2	-	50	50	3	1
IV	FCD		Soft skills	2	-	-	-	-	-	
VI	III	C14		Real Analysis -II	5	25	75	100	3	4
	III	C15		Modern Algebra-II	5	25	75	100	3	4
	III	C16		Complex Analysis-II	5	25	75	100	3	4
	III	EL2		Elective –II	4	25	75	100	3	5
	III	EL3		Elective –III	4	25	75	100	3	5
	IV	SB5		Skill Based-V: Matlab	3	25	75	100	3	2
	IV	SB6		Skill Based-VI: Matlab Practical	2	40	60	100	3	2
	IV	FCD		Soft skills	2	-	-	-	-	2
				<b>TOTAL</b>				<b>3600</b>		<b>140</b>

**List of Elective Papers (Students can choose any one of the following papers as Electives)**

<b>Elective –I</b>	<b>A</b>	Numerical Methods -I
	<b>B</b>	Astronomy
	<b>C</b>	Automata Theory And Formal Languages
<b>Elective –II</b>	<b>A</b>	Numerical Methods -II
	<b>B</b>	Elements of Number Theory
	<b>C</b>	Fuzzy Logic And Fuzzy Sets
<b>Elective –III</b>	<b>A</b>	Discrete Mathematics
	<b>B</b>	Graph Theory
	<b>C</b>	Fluid Dynamics

**Advanced Learners Courses Under Additional Credits System (For UG)**

1. Internet & Web Design
2. Mathematical Skills
3. LATEX