

KAZI NAZRUL UNIVERSITY				FACULTY OF SCIENCE		DEGREE PROGRAMME: B.Sc. PROGRAM IN MATHEMATICS			WITH EFFECT FROM THE ACADEMIC SESSION: 2020-21							
Abbreviated Degree	Discipline	Abbreviated Degree Programme	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
											Practical	Theoretical	Practical	Theoretical		
BSCP	MATHEMATICS	BSCPMTM	I	Differential Calculus	C	BSCPMTMC101	CC-1(1)	5 - 1 - 0	6	22		10		40	50	100 + Marks of Disc.2 & Disc.3
				Discipline 2: CC-1(1) of Other Discipline		See Pool	CC-2(1)	See Pool	6		See Pool			Marks of Disc.2 & Disc.3		
				Discipline 3: CC-1(1) of Other Discipline			CC-3(1)		6							
				Environment Studies	AE	AEE101	AECC-1	4 - 0 - 0	4			10		40	50	
			II	Differential Equations and Vector Calculus	C	BSCPMTMC201	CC-1(2)	5 - 1 - 0	6	22		10		40	50	100 + Marks of Disc.2 & Disc.3
				Discipline 2: CC-1(2) of Other Discipline		See Pool	CC-2(2)	See Pool	6		See Pool			Marks of Disc.2 & Disc.3		
				Discipline 3: CC-1(2) of Other Discipline			CC-3(2)		6							
				English/MIL Communication	AE	See Pool	AECC-2	4 - 0 - 0	4			10		40	50	
			III	Algebra	C	BSCPMTMC301	CC-1(3)	5 - 1 - 0	6	22		10		40	50	100 + Marks of Disc.2 & Disc.3
				Discipline 2: CC-1(3) of Other Discipline		See Pool	CC-2(3)	See Pool	6		See Pool			Marks of Disc.2 & Disc.3		
				Discipline 3: CC-1(3) of Other Discipline			CC-3(3)		6							
				Mathematical Logic and Sets	SE	BSCPMTMSE301	SEC-1	4 - 0 - 0	4			10		40	50	
			IV	Real Analysis	C	BSCPMTMC401	CC-1(4)	5 - 1 - 0	6	22		10		40	50	100 + Marks of Disc.2 & Disc.3
				Discipline 2: CC-1(4) of Other Discipline		See Pool	CC-2(4)	See Pool	6		See Pool			Marks of Disc.2 & Disc.3		
				Discipline 3: CC-1(4) of Other Discipline			CC-3(4)		6							
				Boolean Algebra	SE	BSCPMTMSE401	SEC-2	4 - 0 - 0	4			10		40	50	
			V	Mechanics	(Any One)	DSE	BSCPMTMDSE501	DSEC-1(1)	5 - 1 - 0	22		10		40	50	100 + Marks of DSEC Chosen
				Numerical Analysis			BSCPMTMDSE502		5 - 1 - 0		6		10			
				Discipline 2: DSE-1(1) of Other Discipline	See Pool	DSEC-2(1)	See Pool	6	See Pool			Marks of DSEC chosen				
				Discipline 3: DSE-1(1) of Other Discipline		DSEC-3(1)		6								
				Number Theory	SE	BSCPMTMSE501	SEC-3	4 - 0 - 0	4			10		40	50	
			VI	Linear Programming Problems	(Any One)	DSE	BSCPMTMDSE601	DSEC-1(2)	5 - 1 - 0	22		10		40	50	100 + Marks of DSEC Chosen
				Probability and Statistics			BSCPMTMDSE602		5 - 1 - 0		6		10			
				Discipline 2: DSE-1(2) of Other Discipline	See Pool	DSEC-2(2)	See Pool	6	See Pool			Marks of DSEC chosen				
Discipline 3: DSE-1(2) of Other Discipline	DSEC-3(2)			6												
Graph Theory	SE	BSCPMTMSE601		SEC-4	4 - 0 - 0	4		10			40	50				
				Total Credit and Marks					132	600 + Marks for Disc.2 & Disc.3 + Marks of DSEC						
Abbreviations: C= Core; CC=Core Course; AE= Ability Enhancement; AECC= Ability Enhancement Compulsary Course; GE= Generic Elective; GEC= Generic Elective Course; SE= Skill Enhancement; SEC= Skill Enhancement Course; DSE= Discipline Specific Elective; DSEC= Discipline Specific Elective Course; CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable																
Discipline-2: Students of a particular Program Course will choose Discipline-2 of any other Discipline except of his/her own. For example, if a student opts for Program Course in Mathematics then that student is required to opt Discipline-2 from Program Courses other than Mathematics. Once Discipline-2 is chosen in the 1st Semester the student is to continue with the same in the remaining semesters.																
Discipline-3: Students of a particular Program Course will choose Discipline-3 of any other Discipline except Discipline 1 and Discipline 2 already chosen. Once Discipline-3 is chosen in the 1st Semester the student is to continue with the same in the remaining semesters.																
Semesterwise Pool of Core Courses offered by this Discipline (when treated as Discipline 2 for other Program Courses across the faculties as far as practicable)																
Discipline-2		Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
MATHEMATICS		I	Differential Calculus		C	BSCPMTMC101	CC-2(1)	5 - 1 - 0	6	NA		10		40	50	NA
		II	Differential Equations and Vector Calculus			BSCPMTMC201	CC-2(2)	5 - 1 - 0	6			10		40	50	
		III	Algebra			BSCPMTMC301	CC-2(3)	5 - 1 - 0	6			10		40	50	
		IV	Real Analysis			BSCPMTMC401	CC-2(4)	5 - 1 - 0	6			10		40	50	

Semesterwise Pool of Core Courses offered by this Discipline (when treated as Discipline 3 for other Program Courses across the faculties as far as practicable)															
Discipline-3	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
										Practical	Theoretical	Practical	Theoretical		
MATHEMATICS	I	Differential Calculus		C	BSCPMTMC101	CC-3(1)	5 - 1 - 0	6	NA		10		40	50	NA
	II	Differential Equations and Vector Calculus			BSCPMTMC201	CC-3(2)	5 - 1 - 0	6			10		40	50	
	III	Algebra			BSCPMTMC301	CC-3(3)	5 - 1 - 0	6			10		40	50	
	IV	Real Analysis			BSCPMTMC401	CC-3(4)	5 - 1 - 0	6			10		40	50	
Discipline Specific Elective Course (DSEC) -2: Students of a particular Program Course will choose DSEC-2 from DSEC-1 of Discipline 2.															
Discipline Specific Elective Course (DSEC) -3: Students of a particular Program Course will choose DSEC-3 from DSEC-1 of Discipline 3.															
Semesterwise Pool of Discipline Specific Elective Courses (DSEC) offered by this Discipline (when treated as Discipline 2 for other Program Courses across the faculties as far as practicable)															
Discipline-2	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
										Practical	Theoretical	Practical	Theoretical		
MATHEMATICS	V	Mechanics	(Any One)	DSE	BSCPMTMDSE501	DSEC-2(1)	5 - 1 - 0	6	NA		10		40	50	NA
		Numerical Analysis			BSCPMTMDSE502		5 - 1 - 0				10		40		
	VI	Linear Programming Problems	(Any One)		BSCPMTMDSE601	DSEC-2(2)	5 - 1 - 0	6			10		40	50	
		Probability and Statistics			BSCPMTMDSE602		5 - 1 - 0				10		40		
Semesterwise Pool of Discipline Specific Elective Courses (DSEC) offered by this Discipline (when treated as Discipline 3 for other Program Courses across the faculties as far as practicable)															
Discipline-3	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
										Practical	Theoretical	Practical	Theoretical		
MATHEMATICS	V	Mechanics	(Any One)	DSE	BSCPMTMDSE501	DSEC-3(1)	5 - 1 - 0	6	NA		10		40	50	NA
		Numerical Analysis			BSCPMTMDSE502		5 - 1 - 0				10		40		
	VI	Linear Programming Problems	(Any One)		BSCPMTMDSE601	DSEC-3(2)	5 - 1 - 0	6			10		40	50	
		Probability and Statistics			BSCPMTMDSE602		5 - 1 - 0				10		40		
Pool of Communication Courses offered as Ability Enhancement Compulsory Courses															
Discipline	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
										Practical	Theoretical	Practical	Theoretical		
English/MIL Communication	II	English Communication	(Any One)	AE	AECCE201	AECC-2	4 - 0 - 0	4	NA		10		40	50	NA
		Bengali Communication			AECCE201		4 - 0 - 0				10		40		
		Hindi Communication			AECCH201		4 - 0 - 0				10		40		
		Urdu Communication			AECCH201		4 - 0 - 0				10		40		