KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE	B.Sc	DEGREE PROGRAM . HONOURS IN MATH	AME: HEMATICS	WITH EFFECT FROM THE ACADEMIC SESSION: 2022-23								
Abbreviated	Discipline	Abbreviated Degree Programme	Semester	Course Name					Course	Sem	CA Marks	ESE Marks			ks Sem Marks
Degree						Course Code	Course Details	L - I - P	Credit	Credit	Practical Theoretical	Practical TI	Theoretical Total Ma		
				Calculus, Geometry & Differential Equations	C	BSCHMTMC101	CC-1	5 - 1 - 0	6		15		35	50	
i			I	Algebra		BSCHMTMC102	CC-2	5 - 1 - 0	6	6 22 4	15		35	50	
				Choose from the Pool of Generic Elective Courses offered in 1st			GEC-1	See Pool							150 + Marks of
				Semester by Honours Disciplines other than the Discipline in which	GE	See Pool			6		See Pool			Marks of GEC	GEC
				Honours course is taken											
				Environment Studies	AE	AEE101	AECC-1	4 - 0 - 0	4		15		35	50	
				T											
				Real Analysis	- C	BSCHMTMC201	CC-3	5 - 1 - 0	6		15		35	50	
				Differential Equations and Vector Calculus		BSCHMTMC202	CC-4	5 - 1 - 0	6		15		35	50	
	MATUEMATICE		п	Choose from the Pool of Generic Elective Courses offered in 2nd		See Pool	GEC-2	See Pool	6	22				Marks of GEC	150 + Marks of
		BSCHMTM		Semester by Honours Disciplines other than the Discipline in which	GE						See Pool				GEC
				English/MIL Communication	AE	Cas Davi					15		25	50	
					AE	See Pool	AECC-2	4-0-0	4		15		33		
			111	Multivariable Calculus	1	BSCHMTMC301	CC-5	5 - 1 - 0	6		15		35	50	ł
				Group Theory	t c	BSCHMTMC302	CC-6	5-1-0	6		15		35	50	
				Probability and Statistics	1	BSCHMTMC303	CC-7	5 - 1 - 0	6		15		35	50	
DSCH				Choose from the Pool of Generic Elective Courses offered in 3rd	GE See Pool					20					200 + Marks of
				Semester by Honours Disciplines other than the Discipline in which		See Pool	GEC-3	See Pool	6	28	See P	Pool		Marks of GEC	GEC
				Honours course is taken						· ·					
				Mathematical Logic (Any One)		BSCHMTMSE301	SEC-1	4 - 0 - 0	4		15		35	50	
				Programming Language in C		BSCHMTMSE302	5261	4 - 0 - 0			15		35	50	
взсп	MATHEMATICS			Maghaping	r	DECUMTACA01	CC 8	5 1 0	6		15		25	50	
				Linear Algebra	L C	BSCHMTMC401	CC-8	5-1-0	6		15		35	50	
				Partial Differential Equations and Calculus of Variations		BSCHMTMC402 BSCHMTMC403	CC-10	5-1-0	6		15		35	50	
			IV	Choose from the Pool of Generic Elective Courses offered in 4th		BSCIIWIWC405	CC-10	5-1-0	0		35		S0 Marks of GEC	200 + Marks of GEC	
				Semester by Honours Disciplines other than the Discipline in which	GE	See Pool	GEC-4	See Pool	6		See Pool				
				Honours course is taken										interior of GEC	
				Graph Theory (Any One)	e) SE	BSCHMTMSE401	SEC 2	4 - 0 - 0	4		15		35	50	
				Object Orineted Programming in C++ (Ally Olic)	SE	BSCHMTMSE402	SEC-2	4 - 0 - 0	-		15		35	50	
						-									
				Set Theroy and Metric Spaces	С	BSCHMTMC501	CC-11	5 - 1 - 0	6		15		35	50	
				Advanced Algebra		BSCHMTMC502	CC-12	5 - 1 - 0	6		15		35	50	
			v	Tensors and Differential Geometry		BSCHM1MDSE501	DEFC 1.0	5 - 1 - 0		24	15		35	50x2	200
				Linear Programming and Come Theory (Any Two)	DSE	BSCHMTMDSE502	DSEC-1 &	5 1 0	6X2		15		35		ļ
				Special Theory and Relativity	BSCHMTMDSE505	DDLC 2	5 - 1 - 0	_		15		35	-		
				special meory and reading		DoctiniThiDDDool		010			10				
			VI	Complex Analysis		BSCHMTMC601	CC-13	5 - 1 - 0	6		15		35	50	
				Numerical Methods & Numerical Methods Lab		BSCHMTMC602	CC-14	4-0-4	6		30 15	20	35	100	
				Discrete Mathematics	DSE -	BSCHMTMDSE601		5 - 1 - 0		24	15		35	50x2	250
				Number Theory (Any Two)		BSCHMTMDSE602	DSEC-3 &	5 - 1 - 0	6X2	24	15		35		230
				Advanced Mechanics		BSCHMTMDSE603	DSEC-4	5 - 1 - 0			15		35		
				Bio Mathematics		BSCHMTMDSE604		5 - 1 - 0			15		35		
Total Credit and Marks										148				1150 + Marks	of GEC Chosen
Abbreviations:	C= Core; CC=Core Co	ourse; AE= Ability Enha	ncement; AE	CC= Ability Enhancement Compulsory Course; GE= Generic Elect	ive; GEC	= Generic Elective Cour	se; SE= Skill Enl	hancement; S	SEC= Skil	I Enhanc	ement Course; DSE= Disc	ipline Specific	ic Elective;	DSEC= Discipl	ine Specific
		El	ective Course	e; UA= Continuous Assessment, ESE= End Semester Examination, 1	L= Lectur	e Hour; T= Tutorial Ho	our and P= Pract	ical Hour/ Fi	eid Work	and NA=	Not Applicable				

Generic Elective Courses (GEC) : Students of a particular Honours Course will choose from the Pool of Generic Elective Courses offered by Disciplines other than the Discipline in which Honours course is taken

Semesterwise Pool of Generic Elective Courses offered by this Dis	cipline													
Disainlina	Somoston	Course Name	Course	Course Code	Course Details	L - T - P	Course Credit	Sem	CA Marks		ESE Marks		Total Marks	Som Monka
Discipline	Semester	r Course Name	Туре					Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Selli Marks
	I	Differential Calculus	GE	BSCHMTMGE101	GEC-1	5 - 1 - 0	6	NA		15		35	50	
MATHEMATICS	П	Differential Equations and Vector Calculus		BSCHMTMGE201	GEC-2	5 - 1 - 0	6			15		35	50	
MATHEMATICS	III	Linerar and Modern Algebra		BSCHMTMGE301	GEC-3	5 - 1 - 0	6			15		35	50	
	IV	Basics in Real Analysis		BSCHMTMGE401	GEC-4	5 - 1 - 0	6			15		35	50	1
Pool of Communication Courses offered as Ability Enhancement	Compulsary	Courses												
Pool of Communication Courses offered as Ability Enhancement	Compulsary	Courses	Course	Course Code	Course Details	гтр	Course	Sem	CA	Marks	ESE	Marks	Total Marks	Som Monks
Pool of Communication Courses offered as Ability Enhancement Discipline	Compulsary Semester	Courses Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Practical	Marks Theoretical	ESE Practical	Marks Theoretical	- Total Marks	Sem Marks
Pool of Communication Courses offered as Ability Enhancement Discipline	Compulsary Semester	Courses Course Name English Communication	Course Type	Course Code AECCE201	Course Details	L - T - P 4 - 0 - 0	Course Credit	Sem Credit	CA Practical	Marks Theoretical	ESE Practical	Marks Theoretical 35	- Total Marks	Sem Marks
Pool of Communication Courses offered as Ability Enhancement Discipline English/MIL Communication	Compulsary Semester	Courses Course Name English Communication Bengali Communication (Any One)	Course Type	Course Code AECCE201 AECCB201	Course Details	<b>L - T - P</b> 4 - 0 - 0 4 - 0 - 0	Course Credit	Sem Credit	CA Practical	Marks Theoretical 15 15	ESE Practical	Marks Theoretical 35 35	Total Marks	Sem Marks
Pool of Communication Courses offered as Ability Enhancement Discipline English/MIL Communication	Compulsary Semester II	Courses Course Name English Communication Bengali Communication Hindi Communication (Any One)	Course Type AE	Course Code AECCE201 AECCB201 AECCH201	Course Details	<b>L</b> - <b>T</b> - <b>P</b> <u>4</u> - 0 - 0 <u>4</u> - 0 - 0 <u>4</u> - 0 - 0	Course Credit 4	Sem Credit NA	CA Practical	Marks Theoretical 15 15 15	ESE Practical	Marks Theoretical 35 35 35	Total Marks	Sem Marks
Pool of Communication Courses offered as Ability Enhancement Discipline English/MIL Communication	Compulsary Semester	Courses Course Name English Communication Bengali Communication Hindi Communication Urdu Communication	Course Type AE	Course Code AECCE201 AECCB201 AECCH201 AECCH201	Course Details	<b>L</b> - <b>T</b> - <b>P</b> <u>4</u> - 0 - 0 <u>4</u> - 0 - 0 <u>4</u> - 0 - 0 <u>4</u> - 0 - 0	Course Credit 4	Sem Credit NA	CA Practical	Marks Theoretical 15 15 15 15 15 15	ESE Practical	Marks Theoretical 35 35 35 35 35	- Total Marks	Sem Marks