

KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE, TECHNOLOGY & VOCATIONAL STUDIES		3-Year UG Degree /4-Year UG Degree (Honours) / 4-Year UG Degree (Honours with Research)			WITH EFFECT FROM THE ACADEMIC SESSION: 2023-24											
Abbreviated Degree	Discipline	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					
BSC	Zoology	3-year UG Degree	I	Diversity of Non-chordates	MAJOR	BSCZOOMJ101	MJC-1	3 - 0 - 4	5	20	30	15	20	35	100	350			
				Choose from the Pool of Minor Courses offered in 1st Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-1	See Pool	5		See Pool				100				
				Choose from the Pool of Multidisciplinary Courses offered in 1st Semester across the faculties	MD	See Pool	MDC-1	2 - 1 - 0	3			15		35	50				
				English/MIL Communication	AE	See Pool	AEC-1	4 - 0 - 0	4			15		35	50				
				Public Health and Hygiene	SE	BSCZOOSE101	SEC-1	3 - 0 - 0	3			15		35	50				
			II	Diversity of Chordates	MAJOR	BSCZOOMJ201	MJC-2	3 - 0 - 4	5	20	30	15	20	35	100	350			
				Choose from the Pool of Minor Courses offered in 2nd Semester by other Disciplines within the faculty	MINOR	Corresponding Course Code of Minor opted in 1st Semester	MNC-2	See Pool	5		See Pool				100				
				Choose from the Pool of Multidisciplinary Courses offered in 2nd Semester across the faculties	MD	See Pool	MDC-2	2 - 1 - 0	3			15		35	50				
				Environment Studies	VA	VA201	VAC-1	4 - 0 - 0	4			15		35	50				
				Instrumentation and Clinical Diagnosis	SE	BSCZOOSE201	SEC-2	3 - 0 - 0	3			15		35	50				
			Student exiting the programmes after securing 40 credits will be awarded UG Certificate in the relevant Discipline/Subject provided they secure following 4 credits in work based vocational courses / summer internship during 1st year																
			II	Vocational Course Summer Internship	Any One	VC SI	VC201 SI201	VCC-1 SIC-1	0 - 0 - 8	4	24	30		20		50	400		
			III	Animal Physiology and Comparative Anatomy	MAJOR	BSCZOOMJ301	MJC-3	3 - 0 - 4	5	22	30	15	20	35	100	400			
				Applied Zoology of Invertebrates	MAJOR	BSCZOOMJ302	MJC-4	3 - 0 - 4	5		30	15	20	35	100				
				Choose from the Pool of Minor Courses offered in 3rd Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-3	See Pool	5		See Pool				100				
				Choose from the Pool of Multidisciplinary Courses offered in 3rd Semester across the faculties	MD	See Pool	MD-3	2 - 1 - 0	3			15		35	50				
				English Communication	AE	See Pool	AEC-2	4 - 0 - 0	4			15		35	50				
			IV	Ecology	MAJOR	BSCZOOMJ401	MJC-5	3 - 0 - 4	5	22	30	15	20	35	100	400			
				Livestock Management and Animal Husbandry	MAJOR	BSCZOOMJ402	MJC-6	3 - 0 - 4	5		30	15	20	35	100				
				Choose from the Pool of Minor Courses offered in 4th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-4	See Pool	5		See Pool				100				
Aquaculture	SE	BSCZOOSE401		SEC-3	3 - 0 - 0	3		15			35	50							
Choose from the Pool of Value Added Course offered in 4th Semester	VA	See Pool		VAC-2	See Pool	4		15			35	50							
Student exiting the programmes after securing 84 credits will be awarded UG Diploma in the relevant Discipline/Subject provided they secure following 4 credits in work based vocational courses / summer internship during 2nd year																			
IV	Vocational Course Summer Internship	Any One	VC SI	VC401 SI401	VCD-1 SID-1	0 - 0 - 8	4	26	30		20		50	450					
V	Cell Biology and Histology	MAJOR	BSCZOOMJ501	MJC-7	3 - 0 - 4	5	20	30	15	20	35	100	400						
	Genetics and Molecular Biology	MAJOR	BSCZOOMJ502	MJC-8	3 - 0 - 4	5		30	15	20	35	100							
	Adaptation and Evolution of Animals	MAJOR	BSCZOOMJ503	MJC-9	3 - 0 - 4	5		30	15	20	35	100							
	Choose from the Pool of Minor Courses offered in 5th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-5	See Pool	5		See Pool				100							

VI	Biochemistry	MAJOR	BSCZOOMJ601	MJC-10	3 - 0 - 4	5	22	30	15	20	35	100	450
	Human Physiology	MAJOR	BSCZOOMJ602	MJC-11	3 - 0 - 4	5		30	15	20	35	100	
	Developmental Biology of Animals	MAJOR	BSCZOOMJ603	MJC-12	3 - 0 - 4	5		30	15	20	35	100	
	General Entomology	MAJOR	BSCZOOMJ604	MJC-13	3 - 0 - 4	5		30	15	20	35	100	
	Summer Internship	SI	SI601	SIMC-1	0 - 0 - 4	2		30		20		50	
Total Credit and Marks			TOTAL CREDIT				126	TOTAL MARKS					2350

Students who want to undertake 3-year UG programme will be awarded UG Degree in the relevant Discipline / Subject upon securing 126 credits

4 - Year UG Degree (Honours)	VII	Genetic Engineering and Biotechnology	MAJOR	BSCZOOMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500
		Parasitology and Vector Biology	MAJOR	BSCZOOMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	100	
		Microbiology and Immunology	MAJOR	BSCZOOMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100	
		Bioinformatics, Biostatistics and Research Methodology	MAJOR	BSCZOOMJ704	MJC-17	3 - 0 - 4	5		30	15	20	35	100	
		Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-6	See Pool	5		See Pool				100	
	VIII	Toxicology and Environmental Management	MAJOR	BSCZOOMJ801	MJC-18	3 - 0 - 4	5	22	30	15	20	35	100	500
		Animal Behaviour and Chronobiology	MAJOR	BSCZOOMJ802	MJC-19	2 - 0 - 4	4		30	15	20	35	100	
		Neuroscience and Endocrinology	MAJOR	BSCZOOMJ803	MJC-20	2 - 0 - 4	4		30	15	20	35	100	
		Wildlife Management and Ecotourism	MAJOR	BSCZOOMJ804	MJC-21	2 - 0 - 4	4		30	15	20	35	100	
		Choose from the Pool of Minor Courses offered in 8th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-7	See Pool	5		See Pool				100	
Total Credit and Marks			TOTAL CREDIT				173	TOTAL MARKS					3350	

Students who want to undertake 4-year UG Honours program will be awarded UG Degree (Honours) in the relevant Discipline / Subject provided they secure 173 credits

4 - Year UG Degree (Honours with Research)	VII	Genetic Engineering and Biotechnology	MAJOR	BSCZOOMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500
		Parasitology and Vector Biology	MAJOR	BSCZOOMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	100	
		Microbiology and Immunology	MAJOR	BSCZOOMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100	
		Bioinformatics, Biostatistics and Research Methodology	MAJOR	BSCZOOMJ704	MJC-17	3 - 0 - 4	5		30	15	20	35	100	
		Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-6	See Pool	5		See Pool				100	
	VIII	Toxicology and Environmental Management	MAJOR	BSCZOOMJ801	MJC-18	3 - 0 - 4	5	22	30	15	20	35	100	500
		Research Methodology	RP	BSCZOORP801	RPC-1	4 - 0 - 0	4			30		70	100	
		Research Project / Dissertation	RP	BSCZOORP802	RPC-2	0 - 0 - 16	8		120		80		200	
		choose from the Pool of Minor Courses offered in 8th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-7	See Pool	5		See Pool				100	
	Total Credit and Marks			TOTAL CREDIT				173	TOTAL MARKS					3350

Students who want to undertake 4-year UG Honours with Research program will be awarded UG Degree (Honours with Research) in the relevant Discipline / Subject provided they secure 173 credits

Abbreviations: MJ= Major;MJC= Major Course;MN= Minor;MNC= Minor Course; AE= Ability Enhancement; AEC= Ability Enhancement Course; SE= Skill Enhancement; SEC= Skill Enhancement Course; MD= Multidisciplinary ; MDC= Multidisciplinary Course; SI - Summer Internship;SIC - Summer Internship for Certificate; SID:Summer Internship for Diploma; SIMC - Summer Internship Mandatory Course; RP= Research Project ;RPC= Research Project Course; VA= Value Added;VAC= Value Added Course; VC= Vocational Course; VCC= Vocational Course for Certificate; VCD= Vocational Course for Diploma; CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Note: Minor Courses (MNC) : Students of a particular UG Course will choose from the Pool of Minor Courses offered by disciplines other than the major discipline opted by the student within the faculty. The student is required to opt the same Minor Discipline in the 2nd semester which he had opted in 1st semester.
Explanation: If a student of Physics Major, opts for a Minor Course offered by Chemistry in 1st semester then that student is required to continue with the Minor Course offered by Chemistry for 2nd semester as Minor Course in the 2nd semester.

Semesterwise Pool of Minor Courses offered by Zoology for other Disciplines within the Faculty

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		
	I	Diversity of Non-chordates		BSCZOOMN101	MNC-1	3 - 0 - 4	5		30	15	20	35	100	
	II	Diversity of Chordates		BSCZOOMN201	MNC-2	3 - 0 - 4	5		30	15	20	35	100	

Zoology	III	Animals of Economic Importance	MINOR	BSCZOOMN301	MNC-3	3 - 0 - 4	5	NA	30	15	20	35	100	NA
	IV	Ecology, Ethology and Evolution		BSCZOOMN401	MNC-4	3 - 0 - 4	5		30	15	20	35	100	
	V	Cytogenetics and Molecular Biology		BSCZOOMN501	MNC-5	3 - 0 - 4	5		30	15	20	35	100	
	VI	NA		NA					NA					
	VII	Parasitology, Microbiology and Immunology		BSCZOOMN701	MNC-6	3 - 0 - 4	5		30	15	20	35	100	
	VIII	Biochemistry and Physiology		BSCZOOMN801	MNC-7	3 - 0 - 4	5		30	15	20	35	100	

Semester wise Pool of Multidisciplinary Courses offered by Zoology for other Disciplines across the Faculties

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		
Zoology	I	Application of Bio-Science	MD	MDC106	MDC-1	2 - 1 - 0	3	NA		15		35	50	
	III	Indian Health Sciences	MD	MDC304	MDC-3	2 - 1 - 0	3	NA		15		35	50	

Pool of Communication Courses offered as Ability Enhancement Courses in Semester-I

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	I	English Communication	AE	AECE101	AEC-1	4 - 0 - 0	4	NA		15		35	50	NA
		Bengali Communication		AECB101										
		Hindi Communication		AECH101										
		Urdu Communication		AECU101										

Pool of Value Added Courses offered in Semester-IV for all Disciplines across all Faculties

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		
NA	IV	Yoga And Health	VA	VAC401	VAC-2	4 - 0 - 0	4	NA		15		35	50	NA
		Social Values and Ethics		VAC402										
		Digital and Technological Solutions		VAC403										
		Understanding India		VAC404										
		Sustainable Development: Issues and Challenges		VAC405										
		Goods and Services Tax		VAC406										
		Basics of Indian Constitution		VAC407										

Semester wise Pool of Multidisciplinary Courses offered for all Disciplines across the Faculties																										
Offered By 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														
Physics	I	Any One	Physical Science	MD	MDC101	2 - 1 - 0	3	NA		15	35	50	NA													
BBA			E-Commerce											MDC102												
Political Science			Human Rights											MDC103												
Geography			Disaster Management											MDC104												
Physical Education			Fitness and Wellness											MDC105												
English			Film Appreciation											MDC107												
Commerce			Accounting for All											MDC108												
History			Exploring Early Medieval Bengal: C.7th Century CE to 1206 CE											MDC109												
Bengali			Bangla Sahitya O Sanskriti											MDC110												
Economics			Money and Banking											MDC111												
Hindi			Patrakarita											MDC112												
Mathematics			Business Mathematics											MDC113												
Sociology			Indian Society											MDC114												
Philosophy			Yoga for Daily Life											MDC115												
Electronics			Electronic Measurements											MDC116												
Computer Science			Information and Communication Technology											MDC117												
Botany			Introduction to Local Flora											MDC118												
Computer Applications			Information and Media Literacy											MDC119												
Commerce			Microeconomics											MDC120												
Mathematics			II											Any One	Mathematical Science	MD	MDC201	2 - 1 - 0	3	NA		15	35	50	NA	
BBA	Business Environment	MDC202																								
Statistics	Basic Statistics	MDC203																								
History	Understanding Medieval Bengal Select Themes: 1206 CE-1727 CE	MDC204																								
Commerce	Personal Finance	MDC205																								
Nutrition	Nutrition and Public Health	MDC206																								
Education	Educational Philosophy	MDC207																								
Psychology	Stress Management	MDC208																								
Computer	Social Media and Cyber Awareness	MDC209																								
Bengali	Adhunik Bangla Sahitya	MDC210																								
Nazrul Sangeet	Nazrul Sangeet	MDC211																								
Electronics	E-Waste Management	MDC212																								
Chemistry	Chemical Science	MDC213																								
Sanskrit	Critical Survey of Sanskrit Language	MDC214																								
Urdu	Asnaf- E -Adab	MDC215																								
Hindi	Anuvad Vigyan	MDC216																								
Botany	Herbal Home Remedies	MDC217																								
Geography	III	Any One		Bharatavarsha—A Land of Rare Natural Endowments	MD	MDC301	2 - 1 - 0	3	NA		15	35	50		NA											
Sanskrit				The Vedangas and other Streams of Indian Knowledge System																						MDC302
Physics				Indian Astronomy																						MDC303
Mathematics			Indian Mathematics	MDC305																						
Education			Indian Education	MDC306																						
Political Sc			Indian Polity and Economy	MDC307																						
Philosophy			Methodology of Indian Knowledge System	MDC308																						