KAZI NA	ZRUL UNIV	VERSITY		FACULTY OF SCIENCE, TECHNO STUDIES	DLOGY & VOCATIONAL		Degree /4-Year UC ear UG Degree (He Research)				WITH E	FFECT FROM	THE ACADEM	IC SESSION:	2023-24		
	Abb	reviated	-e									CA M	larks	ESE I	Marks		
Abbreviated De	gree D	Degree gramme	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sem Marks
				Environment and Ecology		MAJOR	BSCENVMJ101	MJC-1	4 - 1 - 0	5			30		70	100	
				Choose from the Pool of Minor Courses offe	red in 1st Semester by the other	MINOR	See Pool	MNC-1	See Pool	5	Ī		See P	nol		100	
				Disciplines within the faculty	00 1: 4 0	MINOR	Sec 1 001	WIVE-I	Sec 1 001		20		Sec 1	501		100	350
			I	Choose from the Pool of Multidisciplinary C across the faculties	ourses offered in 1st Semester	MD	See Pool	MDC-1	3 - 0 - 0	3	20		15		35	50	330
				English/MIL Communication		AE	See Pool	AEC-1	4 - 0 - 0	4			15		35	50	
				Environmental Monitoring Techniques		SE	BSCENVSE101	SEC-1	2 - 1 - 0	3			15		35	50	
				D: 1 · 1 E ·		144.700	Da GENTIN (1904	1410.0				20	1.5	20	25	100	1
				Biological Environment		MAJOR	BSCENVMJ201	MJC-2	3 - 0 - 4	5	<u> </u>	30	15	20	35	100	
			II	Choose from the Pool of Minor Courses offe Disciplines within the faculty	ered in 2nd Semester by the other	MINOR	Corresponding Course Code of Minor opted in 1st Semester	MNC-2	See Pool	5	20		See Po	ool		100	350
				Choose from the Pool of Multidisciplinary Cacross the faculties	ourses offered in 2nd Semester	MD	See Pool	MDC-2	3 - 0 - 0	3			15		35	50	
				Environment Studies		VA	VA201	VAC-1	4 - 0 - 0	4			15		35	50	
				Human Health, Conservation and Ecotourism	1	SE	BSCENVSE201	SEC-2	2 - 1- 0	3			15		35	50	
				Student exiting the progran	nmes after securing 40 credits wil	ll be awarded UG Certifica	te in the relevant Discipline/S	ubject provided the	y secure followi	ng 4 credits in	n work based vo	cational courses /	summer internsh	ip during 1st y	ear		
			II	Vocational Courses Summer Internship	Any One	VC SI	VC201 SI201	VCC-1 SIC-1	0 - 0 - 8	4	24	30		20		50	400
				Int. i. i. i.			T ====================================		1	1 -	1		1		2.5	100	1
				Physical Environment Environmental Chemistry		MAJOR MAJOR	BSCENVMJ301 BSCENVMJ302	MJC-3 MJC-4	3 - 0 - 4	5	1	30	15 15	20	35 35	100 100	
				Choose from the Pool of Minor Courses offe	red in 3rd Semester by the other		BSCERV WISSOZ		3-0-4		1	30	- [-	33	100	
			III	Disciplines within the faculty		MINOR	See Pool	MNC-3	See Pool	5	22		See P	ool		100	400
	BS	CENV		Choose from the Pool of Multidisciplinary Cacross the faculties	ourses offered in 3rd Semester	MD	See Pool	MDC-3	2 - 1 - 0	3			15		35	50	
				MIL/English Communication		AE	See Pool	AEC-2	4 - 0 - 0	4			15		35	50	
		St	tudent	s opted English in SEM-I have to opt for any	course from MIL (Bengali/Hindi	/Urdu) in SEM -III and St	udents opted MIL (Bengali/H	indi/Urdu) in SEM	-I have to opt En	glish in SEN	M -III						
				N ID		1/: 707	DOOES TO CLOS	NIIC 1	2 2 4	-		20		200	2.5	100	
				Natural Resources and Sustainable Developm Biodiversity and Conservation	nent	MAJOR MAJOR	BSCENVMJ401 BSCENVMJ402	MJC-5 MJC-6	3 - 0 - 4	5	1	30 30	15 15	20	35 35	100 100	-
			IV	Choose from the Pool of Minor Courses offe Disciplines within the faculty	red in 4th Semester by the other	MINOR	See Pool	MNC-4	See Pool	5	22	30	See P		33	100	400
			1,	Wildlife Ecology and Tourism		SE	BSCENVSE401	SEC-3	2 - 1- 0	3			15		35	50	- 400
				Choose from the Pool of Value Added Cours	se offered in 4th Semester	VA	See Pool	VAC-2	See Pool	4	1		15		35	50	
		-			programmes after securing 84 cre						dite in work has	ed vocational cov		ternshin during		30	
		-		Vocational Courses		VC	VC401	VCD-1		1			a seo / sullillici III		, ziiu yeai		,
			IV	Summer Internship	Any One	SI	SI401	SID-1	0 - 0 - 8	4	26	30		20		50	450
		 		RS and GIS and Environmental Modelling								30	15	20	35	100	-
BSC Enviro	ment			Water Resources		MAJOR MAJOR	BSCENVMJ501 BSCENVMJ502	MJC-7 MJC-8	3 - 0 - 4	5		30	15	20	35	100	_

1		Disciplines within the faculty											
ı		Basics of Environmental Statistics and Computer Application	MAJOR	BSCENVMJ601	MJC-10	3 - 0 - 4	5		30	15	20	35	10
ı		Solid Waste Management	MAJOR	BSCENVMJ602	MJC-11	3 - 0 - 4	5		30	15	20	35	10
	VI	Environmental Pollution and Human Health	MAJOR	BSCENVMJ603	MJC-12	3 - 0 - 4	5	22	30	15	20	35	1
İ		Environmental Impact Assessment & Laws	MAJOR	BSCENVMJ604	MJC-13	3 - 0 - 4	5		30	15	20	35	10
<u> </u>		Summer Internship	SI	SI601	SIMC-1	0 - 0 - 4	2		30		20		5
İ		Total Credit and Marks		TOTAL CI	REDIT			126		TO	TAL MARKS		
	Studer	its who want to undertake 3-year UG programme will be awarded UG Degre	e in the relevant Discip	line / Subject upon securin	g 126 credits								
		<u></u>			T	1				1	1	T	
		Green Chemistry and Environmental Applications	MAJOR	BSCENVMJ701	MJC-14	3 - 0 - 4	5		30	15	20	35	10
		Environmental Economics and Management	MAJOR	BSCENVMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	10
	VII	Natural Hazards and Disaster Management and Waste Management Ecotoxicology and Environmental Biotechnology	MAJOR	BSCENVMJ703	MJC-16	3 - 0 - 4	5	25	30	15	20	35	10
i			MAJOR	BSCENVMJ704	MJC-17	3 - 0 - 4	5		30	15	20	35	10
4 YEARS		Choose from the Pool of Minor Courses offered in 7th Semester by the other Disciplines within the faculty	MINOR	See Pool	MNC-6	See Pool	5			See F	Pool		1
DEGREE WITH										_			
HONOURS		Wildlife Conservation and Management	MAJOR	BSCENVMJ801	MJC-18	3 - 0 - 4	5		30	15	20	35	10
		Energy and Environment	MAJOR	BSCENVMJ802	MJC-19	2 - 0 - 4	4		30	15	20	35	10
	VIII	Industrial Health and Safety	MAJOR	BSCENVMJ803	MJC-20	2 - 0 - 4	4	22	30	15	20	35	1
	V 111	Analytical Methods in Environmental Science	MAJOR	BSCENVMJ804	MJC-21	2 - 0 - 4	4	22	30	15	20	35	1
		Choose from the Pool of Minor Courses offered in 8th Semester by the other Disciplines within the faculty	MINOR	See Pool	MNC-7	See Pool	5			See F	Pool		1
1		Total Credit and Marks		TOTAL CI	REDIT	1		173		TO	TAL MARKS		
		Students who want to undertake 4-	year UG Honours prog	ram will be awarded UG I	Degree (Honours)	in the relevant D	iscipline / Sı	ıbject provide	I they secure 173	3 credits			
		Green Chemistry and Environmental Applications	MAJOR	BSCENVMJ701	MJC-14	3 - 0 - 4	5		30	15	20	35	1
İ		Environmental Economics and Management	MAJOR	BSCENVMJ702	MJC-15	3 - 0 - 4	5	·	30	15	20	35	1
		Natural Hazards and Disaster Management and Waste Management	MAJOR	BSCENVMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	1
4 YEARS	VII	Ecotoxicology and Environmental Biotechnology	MAJOR	BSCENVMJ704	MJC-17	3 - 0 - 4	5	25	30	15	20	35	1
DEGREE WITH		Choose from the Pool of Minor Courses offered in 7th Semester by the other Disciplines within the faculty	MINOR	See Pool	MNC-6	See Pool	5			See F	Pool		1
TTOTIOTIDO					I.								
HONOURS		Tools and Techniques in Environmental Science	MAJOR	BSCENVMJ801	MJC-18	3 - 0 - 4	5		30	15	20	35	1
WITH	l	Research Methodology and Ethics	RP	BSCENVRP801	RP-1	4 - 0 - 0	4			30		70	1
		Dissertation	RP	BSCENVRP802	RP-2	0 - 0 - 16	8	22	120		80		2
WITH	VIII				MNC-7	See Pool	5			See F	Pool		1
WITH	VIII	Choose from the Pool of Minor Courses offered in 8th Semester by the other Disciplines within the faculty	MINOR	See Pool	WINC-/	500 1 001							1

Abbreviations: MJ-= Major;MJC-= Major Course;MN= Minor;MNC= Minor Course; AE= Ability Enhancement; AEC= Ability Enhancement Course; SE= Skill Enhancement Course; MD= Multidisciplinary; MDC= Multidis

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 Environmental Science in 1st semester then that student is required to continue with the Minor Course offered by Environmental Science for 2nd semester as Minor Course in the 2nd semester.

Disciplin	C	Course Norse	C T	Commo Codo	Company Date 2	L - T - P	C C 134	Sem	CA	Marks	ESE	Marks	T. (.) M. J.	C M I .
e	Semester	Course Name	Course Type	Course Code	Course Details	L-1-P	Course Credit	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sem Marks
e	I	Environment & Ecology		BSCENVMN101	MNC-1	4 - 1 - 0	5			30		70	100	
enc	II	Biological Environment		BSCENVMN201	MNC-2	4 - 1 - 0	5			30		70	100	
Sci	III	Environmental Chemistry		BSCENVMN301	MNC-3	4 - 1 - 0	5			30		70	100	
ntal	IV	Natural Resources & Sustainable Development	MINOR	BSCENVMN401	MNC-4	4 - 1 - 0	5	NA		30		70	100	NA
me	V	Environment & Society	MINOR	BSCENVMN501	MNC-5	4 - 1 - 0	5	INA		30		70	100	NA
ron	VI	NA			NA						NA			
Sinvi	VII	Environmental Economics & Management		BSCENVMN701	MNC-6	4 - 1 - 0	5			30		70	100	
_	VIII	Wildlife Conservation & Management		BSCENVMN801	MNC-7	4 - 1 - 0	5			30		70	100	

Semester wise Pool of Multidisc	ciplinary Courses offered	by Environmental Science	for other Disciplines across the Faculties

Discipli	Somestor	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem	CA	Marks	ESE	Marks	Total Marks	Sem Marks
e	Semester	Course (value	Course Type	Course Code	Course Details	L-1-1	Course Credit	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sem Marks
Environ														
mental	NA	NA											50	NA
Science														

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
									Credit	Practical	Theoretical	Practical	Theoretical		
			English Communication		AECE101										
English/MIL)ne	Bengali Communication		AECB101										
Communication	I	, S	Hindi Communication	AE	AECH101	AEC-1	4 - 0 - 0	4	NA		15		35	50	NA
Communication		An	Urdu Communication		AECU101										
			Alternative English		AECAE101										

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

	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
										Creuit	Practical	Theoretical	Practical	Theoretical		
				English Communication		AECE301										
,	MIL / English		ne	Bengali Communication		AECB301										
	ommunication	III	y C	Hindi Communication	AE	AECH301	AEC-2	4 - 0 - 0	4	NA		15		35	50	NA
	ommunication		Αn	Urdu Communication		AECU301										
				Alternative English		AECAE301										

Students who opted English Communication in SEM-I (AECE101) have to opt for any course from MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternativ

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	CA	Marks	ESE	Marks	Total Marks	Sem Marks
Offered by Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L-1-1	Course Credit	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sem Warks
Physics		Physical Science		MDC101										
BBA		E-Commerce		MDC102										
Political Science		Human Rights		MDC103										
Geography		Disaster Management		MDC104										
	="	•			='	•	•				•	•	•	-

Physical Education Zoology English Commerce History Bengali Economics Hindi Mathematics Sociology Philosophy Electronics Computer Science Botany Computer Applications Commerce Geology	I	Any One	Fitness and Wellness Application of Bio-Science Film Appreciation Accounting for All Exploring Early Medieval Bengal: C.7th Century CE to 1206 CE Bangla Sahitya O Sanskriti Money and Banking Patrakarita Business Mathematics Indian Society Yoga for Daily Life Electronic Measurements Information and Communication Technology Introduction to Local Flora Information and Media Literacy Microeconomics A B C D of Geology	MD	MDC105 MDC106 MDC107 MDC108 MDC109 MDC110 MDC111 MDC112 MDC113 MDC114 MDC115 MDC116 MDC117 MDC117 MDC118 MDC119 MDC120 MDC121	MDC-1	2 - 1 - 0	3	NA		15		35	50	NA
Offered By Discipline	Semester		Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem		Marks	ESE M		Total Marks	Sem Marks
• •	Scinester			Course Type		Course Details	E-1-1	course crean	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sciii Warks
Mathematics BBA Statistics History Commerce Nutrition Education Psychology Computer Bengali Nazrul Sangeet Electronics Chemistry Sanskrit Urdu Hindi Botany English Political Science Physical Education Commerce Geology	П	Any One	Mathematical Science Business Environment Basic Statistics Understanding Medieval Bengal Select Themes: 1206 CE-1727 CE Personal Finance Nutrition and Public Health Educational Philosophy Stress Management Social Media and Cyber Awareness Adhunik Bangla Sahitya Nazrul Sangeet E-Waste Management Chemical Science Critical Survey of Sanskrit Language Asnaf- E -Adab Anuvad Vigyan Herbal Home Remedies Contemporary India: Women and Empowerment Women Empowerment in India: Issues and Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth	MD	MDC201 MDC202 MDC203 MDC204 MDC205 MDC206 MDC206 MDC207 MDC208 MDC209 MDC210 MDC211 MDC212 MDC213 MDC213 MDC214 MDC215 MDC216 MDC217 MDC218 MDC219 MDC219 MDC219 MDC219 MDC220 MDC220 MDC221 MDC221	MDC-2	2 -1 - 0 0- 1- 4 2 -1 - 0	3	NA	30	15	20	35	50	NA
									Sem	CA	Marks	ESE M	Aorke		
Offered By Discipline	Semester		Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	Practical Practical	Theoretical		Theoretical	Total Marks	Sem Marks
Geography			Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian		MDC301										
Sanskrit			Knowledge System		MDC302										
Physics			Indian Astronomy		MDC303										
Zoology	1	l	Indian Health Sciences		MDC304			1	l	l	1	1		1 I	

Mathematics Education			Indian Mathematics Indian Education		MDC305 MDC306								
Political Sc			Indian Polity and Economy		MDC307								
Philosophy	III	ıy One	Methodology of Indian Knowledge System	MD	MDC308	MDC-3	2 - 1 - 0	3	NA	15	35	50	NA
Geology		Ar	Remote Sensing and GIS		MDC309								
Physical Education			Indian Medical System and Yoga		MDC310								
Urdu			Urdu Gajal		MDC311								
Commerce			Indian Economy		MDC312								
Computer Science			Impact of Artificial Intelligence in Education		MDC313								
Physiology			Community Health Care		MDC314								

		n Semes	ster-IV for all Disciplines across all Facult						Sem	CA Marks		ESE Marks			
Offered By Discipline	Semester		Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Credit				Theoretical	Total Marks Sem M	Aarks
Physiology			Yoga and Health		VAC401										
Philosophy			Social Values and Ethics		VAC402										
Computer Science			Digital and Technological Solutions		VAC403										
History	IV	One	Understanding India	77.4	VAC404	NAG 2	4 - 0 - 0		NIA		15		35	50	NIA
Economics	IV		Sustainable Development: Issues and Challenges	VA	VAC405	VAC-2		4	NA					50	NA
Commerce			Goods and Services Tax		VAC406										
Political Science			Basics of Indian Constitution		VAC407										
Physical Education		•	Integrated Self Defence		VAC408	1	0-2-4			30		20]	