Level Sem Disciplinary Major Flectives Sem Disciplinary Major Flectives Sem Disciplinary Major Flectronics Mathematics Microbiolog Statistics Physics Zoology								BSc(General) M	ajor Chemistr	y							
Cumulative 12 Mathematics Math	Level	Sem									OE	VC/SEC AEC, VEC, CEP,		Total EXIL		Total	
4.5 II Chemistry 2 Cr T : Applied Chemistry 2 Cr T : Applied Chemistry 2 Cr P : Introductory Laboratory course 2 Cr T Basic methods of Chemical analysis 2 Cr T T. T			lizuiiduoo2 y	Botany	Electronics	Mathematics	Microbiolog y	Statistics	Physics	Zoology			1110	CC, RP			Credits
of Chemical analysis 2 Cr T Concepts of Organic and Inorganic Chem 2 Cr P Analytical Laboratory Techniques-I I 4.5 II Chemical analysis 2 Cr T Concepts of Organic and Inorganic Chem 2 Cr P Analytical Laboratory Techniques-I I 4.5 III Seasics of Course in Organic and Inorganic Chem 2 Cr P Analytical Laboratory Techniques-I I 4.5 III Seasics of Course in Algebra (argiculture) T:Basics of Course in Algebra (but on to bottom to microbiology) Microbiology MS Excel (argiculture) Microbiology MS Excel (argiculture) Microbiology MS Excel (argiculture) Microbiology MS Excel (argiculture) T:Basics of Data Science using Microbiology (argiculture) Nutrition and Health (argiculture) Fragrances (argiculture) Cr P Chemistry of Fragrances (argiculture) English (argiculture) English (argiculture) English (argiculture) Cumulative 12 8 8 8 10 4 44 4 4 48	4.5	I	Chemistry 2 Cr T :Applied Chemistry 2 Cr P :Introductory Laboratory course								Everyday life 2 Cr T Kitchen and Food Chemistry	Making of soaps, detergents and perfumes 2 Cr Pr: Preparation of solutions(2C)	T:English Oral and written communicati on 2 Cr T :EVS 2 Cr T : IKS		22		22
			of Chemical analysis 2 Cr T Concepts of Organic and Inorganic Chem 2 Cr P Analytical Laboratory Techniques- I	T:Unders tanding Phytodiv	T:Basics of Electronic devices and	Course in Algebra	Introduction to Microbiology	Basics of Data Science using	Calibration Techniques/ Instrumentati on for	Nutrition and	soaps, detergents 2 Cr P Chemistry of Fragrances	Chromatogr aphic techniques 2 Cr Pr : Basic Analytical Techniques	Spoken English				
	Cumula	tive	12					icata an Evit + 1	credit Bridge	Course	8	8	10	4	44	4	48

BSc(General) Major Chemistry																	
Level	Sem	Disciplinary Major Mandatory	DSE Electives	Botany	Flootronics	Mathematics	Mino	r Statistics	OE V	VC/SEC AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Total	Exit Credit	Final Total Credits			
		2 Cr T Physico Analytical Chemistry 2		2Cr-		2Cr-T:Basic	y 2 Cr-T: Growth and	2Cr- T:Introduction to	Physics 2Cr-T: Basic Telecommun		2 Cr T : Introduction to	2 Cr Pr : Soil and	2 Cr T :AEC 3 Marathi /		22		22
5	Ш	Cr T Chemical bonding and Functional groups 2 Cr Pr Analytical Laboratory Techniques- II 2 Cr Pr Practical Synthetic Chemistry-I		for Entrepren eurs 2Cr- P:Botany	System Design 2Cr- P:Practicals based on Digital	Calculus 2Cr-P:Practical Course based on Minor	bacteria 2 Cr-	R software and learning of exploratory data Analysis 2Cr- P:Use of R software to explore the data	ication 2Cr-P:Fun with	Zoology 2Cr-P: Applied Zoology	Agro chemistry		Hindi (2)	(FP)			
5	IV	2 Cr T Electro Analytical Chemistry 2 Cr T Coordination Chemistry and Organic reactions 2 Cr Pr Practical Environmental Analysis 2 Cr Pr Practical Synthetic Chemistry-II		Botany	T:Analog System Design 2Cr- P:Practicals based on	Matrix Theory 2Cr- P:Practical Course based	2 Cr-P:	models for	2Cr-T:Fiber Optic Communicati on 2Cr- P:Basic Optics	T:Toxicology	2 Cr T :Chemistry in Ayurveda	2 Cr Pr : Agro Chemistry	AEC 4 English Creative Writing (2)	2 Cr Pr: Chem (CEP 1)	22		22
Cumula	tive	28					10				12	12	14	12	88	4	92
Cumula		20						on Exit + 4 credits	of NSOF and	Internshin					- 00		7-

								BSc(General) M	ajor Chemistr	y							
Level	Sem	Disciplinary Major Mandatory	DSE Electives				Mino			OE V	VC/SEC A	AEC, VEC, IKS			Exit Credit	Final Total	
		Manuatory		Botany	Electronics	Mathematics	Microbiolog	Statistics	Physics	Zoology			IKS	CC, RP		Credit	Credits
5.5		T :Mechanistic Organic Chemistry-I (2C) 2 Cr Pr: Physical Chemistry Practical-I (2C) 2 Cr Pr Inorganic Chemistry Practical-I (2C) 2 Cr Pr: Organic Chemistry	Cr T: Industrial Chemistr y 2 Cr T:		T:Digital and wireless communicat ion systems 2Cr- P:Practical	T:Differentia I and Integral Calculus 2Cr- P: Practical Course based on Minor Paper - 6	Microbiology and immunology 2 Cr-P:	2Cr-P:Practical based on Statistical Quality control	and its Applications 2Cr-P: Optoelectron ics/ Photonics	Biodiversity, Conservation and sustainable		2 Cr Pr Use of Chemistry Software			22		22
5.5	VI	Mechanistic Organic Chemistry-II (2C) 2 Cr Pr: Physical Chemistry Practical-II (2C) 2 Cr Pr:Inorganic Chemistry Practical-II (2C) 2 Cr Pr: Organic Chemistry	Polymer Chemistr y (2C) 2 Cr T: Organic		T:Microcont roller and Embedded Systems 2Cr- P:Interfacin	T:Applied Mathematics 2Cr- P:Practical Course based on Minor Paper - 8	Practicals based on nanobiotechn	T:Introduction to Pythan for handling large	2Cr- P:Radiation Physics	2Cr- T:Environment al Monitoring and Management 2Cr- P:Environment al Monitoring and Management				OJT (4)	22		22
Cumulat	tive	48	8		18		18	18	18	18	12	14	14	18	132		136
								Award of	Degree								

BSc(General) Major Chemistry DSE Minor																	
Level	Sem	Disciplinary Major Mandatory	DSE Electives	Botany	Electronics	Mathematics	Minor ies Microbiolog Statistics		Physics	Zoology	ОЕ	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC, RP		Exit Credit	Final Total Credits
		4 Cr T	4 Cr T				\mathbf{y}	Cr-P: Research N		30				·	22		22
6	VII	Thermodynamics and Chemical Kinetics 4 Cr T Organic reaction mechanism and stereochem 2 Cr Pr Organic Chemistry Practical 2 Cr Pr : Physical Chemistry Practical 2 Cr Pr Inorganic Chemistry Practical 1 Cr Pr Inorganic Chemistry Practical	Molecula r symmetry, and main group Chemistry		201	-1. Research M	remodology 20	CI-F. Research in	remodology								
6		Nuclear chemistry 4 Cr T Organic spectroscopy and photochemistry 2 Cr Pr Organic	4 Cr T Coordina tion and Bioinorg anic chemistry (4C)											OJT: 4Cr(Pr) On Job Training /Induatria 1 Project/In ternship	22		22
Cumula	tive	76	16							2	12	2 14	14	22	176		184