

B.Sc GCZ

Semester	Nature of the Course	Subject Name	Subject Code	Credit Points	CIA Total Marks	ESE Total Marks	ESE Pass Marks	Total Marks	Pass Marks
I	Mandatory : Language Course -I	English- I	ENG101	4	30	70	28	100	40
	Choice Based : Language course -II *	Second Language- I	ARA101	4	30	70	28	100	40
			FRE101	4	30	70	28	100	40
			HIN101	4	30	70	28	100	40
			SAN101	4	30	70	28	100	40
			TEL101	4	30	70	28	100	40
	Choice Based : Core courses	Genetics- I Transmission Genetics & Cytogenetics	GEN101	4	30	70	28	100	40
		Genetics Pr- I Transmission Genetics & Cytogenetics	GEN111	1	15	35	14	50	20
		Chemistry- I CHEMISTRY - I	CHE101	4	30	70	28	100	40
		Chemistry Pr- I Qualitative Analysis-Semi	CHE111	1	15	35	14	50	20

		Microanalysis of mixtures							
		Zoology- I Animal-Diversity Invertebrates	ZOO101	4	30	70	28	100	40
		Zoology Pr- I Animal-Diversity Invertebrates	ZOO111	1	15	35	14	50	20
	Mandatory: Ability Enhancement Compulsory Course-I	Gender Sensitization	AECC101 B	2	15	35	14	50	20
	Choice Based : Skill Oriented Course	Open Elective* : Any one from the List	SOC101	2	15	35	14	50	20
II	Mandatory : Language Course -I	English- II	ENG202	4	30	70	28	100	40
	Choice Based : Language course -II *	Second Language- II	ARA202	4	30	70	28	100	40
			FRE202	4	30	70	28	100	40
			HIN202	4	30	70	28	100	40
			SAN202	4	30	70	28	100	40
			TEL202	4	30	70	28	100	40
	Choice Based :	Genetics- II Biochemistry and	GEN202	4	30	70	28	100	40

	Core courses	Microbial Genetics							
		Genetics Pr- II Biochemistry and Microbial Genetics	GEN212	1	15	35	14	50	20
		Chemistry- II CHEMISTRY - II	CHE202	4	30	70	28	100	40
		Chemistry Pr- II Quantitative Analysis- Volumetric Analysis	CHE212	1	15	35	14	50	20
		Zoology- II Animal-Diversity Vertebrates	ZOO202	4	30	70	28	100	40
		Zoology Pr- II Animal-Diversity Vertebrates	ZOO212	1	15	35	14	50	20
	Mandatory: Ability Enhancement Compulsory Course-II	Environmental Science	AECC202 A	2	15	35	14	50	20
III	Choice Based : Co-Curricular Activity	Open Elective* : Any one from the List	CCA601	2	15	35	14	50	20
	Mandatory : Language Course -I	English- III	ENG303	3	30	70	28	100	40
	Choice Based	Second Language- III	ARA303	3	30	70	28	100	40

	:Language course -II *		FRE303	3	30	70	28	100	40
			HIN303	3	30	70	28	100	40
			SAN303	3	30	70	28	100	40
			TEL303	3	30	70	28	100	40
	Choice Based : Core courses	Genetics- III Molecular Genetics and Genetic Engineering	GEN303	4	30	70	28	100	40
		Genetics Pr- III Molecular Genetics and Genetic Engineering	GEN313	1	15	35	14	50	20
		Chemistry- III CHEMISTRY - III	CHE303	4	30	70	28	100	40
		Chemistry Pr- III Synthesis of Organic Compounds	CHE313	1	15	35	14	50	20
		Zoology- III Animal Physiology and Animal Behaviour	ZOO303	4	30	70	28	100	40
		Zoology Pr- III Animal Physiology and Animal Behaviour	ZOO313	1	15	35	14	50	20
	Choice Based : Institutional Specific	Communication Skills	SEC301A	2	15	35	14	50	20

	Skill Enhancement Course-I								
	Choice Based : DepZOOMent Specific Skill Enhancement Course-I	Open Elective* : Any one from the List	SEC302	2	15	35	14	50	20
IV	Mandatory : Language Course -I	English- IV	ENG404	3	30	70	28	100	40
	Choice Based :Language course -II *	Second Language-IV	ARA404	3	30	70	28	100	40
			FRE404	3	30	70	28	100	40
			HIN404	3	30	70	28	100	40
			SAN404	3	30	70	28	100	40
			TEL404	3	30	70	28	100	40
	Choice Based : Core courses	Genetics- IV Biostatistics and Population Genetics	GEN404	3	30	70	28	100	40
		Genetics Pr- IV Biostatistics and Population Genetics	GEN414	3	30	70	28	100	40

		Chemistry- IV CHEMISTRY - IV	CHE404	3	30	70	28	100	40
		Chemistry Pr- IV Qualitative analysis of Organic Compounds	CHE414	3	30	70	28	100	40
		Zoology- IV Cell and Molecular Biology, Genetics and Embryology	ZOO404	3	30	70	28	100	40
		Zoology Pr- IV Cell and Molecular Biology, Genetics and Embryology	ZOO414	3	30	70	28	100	40
	Choice Based : Institutional Specific Skill Enhancement Course-II	Universal Human Values	SEC403B	2	15	35	14	50	20
	Choice Based : Department Specific Skill Enhancement Course-II	Open Elective* : Second course from the List	SECE404	2	15	35	14	50	20
V	Mandatory : Language Course -I	English- V	ENG505	3	30	70	28	100	40
		Second Language-V	ARA505	3	30	70	28	100	40

	Choice Based :Language course -II *		FRE505	3	30	70	28	100	40
			HIN505	3	30	70	28	100	40
			SAN505	3	30	70	28	100	40
			TEL505	3	30	70	28	100	40
	Choice Based : Core courses	Genetics- V Molecular technologies and Bioinformatics	GEN505	4	30	70	28	100	40
		Genetics- Pr- V Molecular technologies and Bioinformatics	GEN515	1	15	35	14	50	20
		Chemistry- V Spectroscopy, Separation techniques and Medicinal Chemistry - I	CHE505	4	30	70	28	100	40
		Chemistry Pr- V Experiments in Physical Chemistry - 1	CHE515	1	15	35	14	50	20
		Zoology- V Immunology and animal Biotechnology	ZOO505	4	30	70	28	100	40
		Zoology Pr- V Immunology and animal Biotechnology	ZOO515	1	15	35	14	50	20

	Choice Based : Generic Elective Course	Inter Disciplinary Elective* : Any one from the List	GE501	4	30	70	28	100	40
	Mandatory: Ability Enhancement Compulsory Course-III	Capacity Building	AECC603	2	15	35	14	50	20
VI	Mandatory : Language Course -I	English- VI	ENG606	3	30	70	28	100	40
	Choice Based :Language course -II *	Second Language-VI	ARA606	3	30	70	28	100	40
			FRE606	3	30	70	28	100	40
			HIN606	3	30	70	28	100	40
			SAN606	3	30	70	28	100	40
			TEL606	3	30	70	28	100	40
	Choice Based : Core courses	Genetics-VI Human Genetics and Regenerative Medicine	GEN606	4	30	70	28	100	40
		Genetics Pr-VI Human Genetics and Regenerative Medicine	GEN616	1	15	35	14	50	20

		Chemistry-VI Spectroscopy, Separation techniques and Medicinal Chemistry - II	CHE606	4	30	70	28	100	40
		Chemistry Pr-VI Experiments in Physical Chemistry - II	CHE616	1	15	35	14	50	20
		Zoology-VI Ecology, Zoogeography and Evolution	ZOO606	4	30	70	28	100	40
		Zoology Pr-VI Ecology, Zoogeography and Evolution	ZOO616	1	15	35	14	50	20
	Choice Based: Project/ Internship/Co re Elective* Any one from the core discipline	Genetics	DSE607	4	30	70	28	100	40
		Chemistry	DSE607	4	30	70	28	100	40
		Zoology	DSE607	4	30	70	28	100	40