

## B.Sc MCB

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	<b>Mandatory :</b> Language Course -I	English- I	ENG101	4	30	70	28	100	40
	<b>Choice Based :</b> 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
	<b>Choice Based :</b> Core courses	Microbiology- I General Microbiology	MIC101	4	30	70	28	100	40
		Microbiology Pr- I General Microbiology	MIC111	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								
		Botany-I Microbial Diversity and Lower Plants	BOT101	4	30	70	28	100	40	
		Botany-I Pr Microbial Diversity and Lower Plants	BOT111	1	15	35	14	50	20	
	<b>Mandatory:</b> Ability Enhancement Compulsory Course-I		Gender Sensitization	AECC101B	2	15	35	14	50	20
	<b>Choice Based:</b> Skill Oriented Course		<b>Open Elective*</b> : Any one from the List	SOC101	2	15	35	14	50	20
<b>II</b>	<b>Mandatory:</b> Language Course -I	English- II	ENG202	4	30	70	28	100	40	
	<b>Choice Based:</b> 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
<b>Choice Based : Core courses</b>	Microbiology- II Microbial Diversity		MIC202	4	30	70	28	100	40
	Microbiology Pr- II Microbial Diversity		MIC212	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
	Botany-II Gymnosperms, Taxonomy of Angiosperms and Ecology		BOT202	4	30	70	28	100	40
	Botany-II Pr Gymnosperms, Taxonomy of Angiosperms and Ecology		BOT212	1	15	35	14	50	20
	<b>Mandatory:</b> Ability Enhancement Compulsory Course-II	Environmental Science		AECC202A	2	15	35	14	50
<b>Choice Based :</b> Co-Curricular Activity	<b>Open Elective*</b> : Any one from the List		CCA601	2	15	35	14	50	20
<b>III</b>	<b>Mandatory :</b> Language	English- III	ENG303	3	30	70	28	100	40

e Course -I									
<b>Choice Based :Language course -II *</b>	Second Language- III	ARA303	3	30	70	28	100	40	
		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	
<b>Choice Based : Core courses</b>	Microbiology- III Food, Dairy & Environmental Microbiology	MIC303	4	30	70	28	100	40	
	Microbiology Pr- III Food, Dairy & Environmental Microbiology	MIC313	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	
	Botany-III Plant Anatomy and Embryology	BOT303	4	30	70	28	100	40	
	Botany-III Pr Plant Anatomy and Embryology	BOT313	1	15	35	14	50	20	
<b>Choice Based : Institutional Specific</b>	Communication Skills	SEC301A	2	15	35	14	50	20	

	Skill Enhancement Course-I								
	Choice Based : DepZOO ment Specific Skill Enhancement Course-I	<b>Open Elective*</b> : Any one from the List	SEC302	2	15	35	14	50	20
IV	<b>Mandatory :</b> Language Course -I	English- IV	ENG404	3	30	70	28	100	40
	<b>Choice Based :</b> 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
<b>Choice Based :</b>	Microbiology- IV Immunology & Medical Microbiology	MIC404	3	30	70	28	100	40	

<b>Core courses</b>	Microbiology Pr- IV Immunology & Medical Microbiology	MIC414	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
	Botany-IV Cell Biology, Genetics & Plant Physiology	BOT404	3	30	70	28	100	40
	Botany-IV Pr Cell Biology, Genetics & Plant Physiology	BOT414	3	30	70	28	100	40
<b>Choice Based : Institutional Specific Skill Enhancement Course-II</b>	Universal Human Values	SEC403B	2	15	35	14	50	20
<b>Choice Based : DepZOO ment Specific Skill Enhancement Course-II</b>	<b>Open Elective*</b> : Second course from the List	SECE404	2	15	35	14	50	20

V	<b>Mandatory :</b> Language Course -I	English- V	ENG505	3	30	70	28	100	40
	<b>Choice Based :</b> Language course -II *	Second Language-V	ARA505	3	30	70	28	100	40
			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
	<b>Choice Based : Core courses</b>	Microbiology- V Microbiology Genetics & Molecular Biology/ Microbial Omics	MIC505	4	30	70	28	100	40
		Microbiology- Pr- V Microbiology Genetics & Molecular Biology/ Microbial Omics	MIC515	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
Botany-V Biodiversity & Conservation		BOT505	4	30	70	28	100	40	
Botany-V Pr Biodiversity & Conservation		BOT515	1	15	35	14	50	20	

	<b>Choice Based : Generic Elective Course</b>	<b>Inter Disciplinary Elective* : Any one from the List</b>	GE501	4	30	70	28	100	40
	<b>Mandatory: Ability Enhancement Compulsory Course-III</b>	Capacity Building	AECC603	2	15	35	14	50	20
VI	<b>Mandatory : Language Course -I</b>	English- VI	ENG606	3	30	70	28	100	40
	<b>Choice Based :Language course -II *</b>	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
<b>Choice Based : Core courses</b>	Microbiology-VI Industrial Microbial Technology/ Pharmaceutical Microbiology	MIC606	4	30	70	28	100	40	
	Microbiology Pr-VI Industrial Microbial Technology/ Pharmaceutical Microbiology	MIC616	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	
	Botany-VI Tissue Culture and Biotechnology	BOT606	4	30	70	28	100	40	
	Botany-VI Pr Tissue Culture and Biotechnology	BOT616	1	15	35	14	50	20	
	<b>Choice Based:</b> Project/ Internship/ Core Elective* Any one from the core discipline	Microbiology	DSE607	4	30	70	28	100	40
		Chemistry	DSE607	4	30	70	28	100	40
		Botany	DSE607	4	30	70	28	100	40