

MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE, RASIPURAM – 637 408

B.SC., BIOTECHNOLOGY - CHOICE BASED CREDIT SYSTEM

(For the students admitted from the year 2008-2009 on words)

Name of the Course	Semester	Part	Subject Code	Subject	Hours				Marks		
					L	T	P	C	CIA	EA	Total
I - B.Sc., Biotechnology	I	I	08UFTA01	Tamil I/ French I / Hindi I	6			3	25	75	100
		II	08UFEN01	English - I	6			3	25	75	100
		III	08UBT01	Core I - Cell Biology	6			5	25	75	100
			08UBCA01	Allied I - Biochemistry	5			4	25	75	100
			08UBTP01	Major Practical I - Lab in Cell Biology & Genetics	3			-	-	-	-
			08UBCAP01	Allied Practical I – Lab in Biochemistry	3			-	-	-	-
				Environmental Science	1			-	-	-	-
			08UVE01	Value Education Yoga	2			2	25	75	100
	II	I	09UFTA02	Tamil – II/ French II / Hindi II	6			3	25	75	100
		II	09UFEN02	English –II	6			3	25	75	100
		III	08UBT02	Core - Genetics	5			5	25	75	100
			08UBCA02	Allied - Biochemistry II	4			3	25	75	100
			08UBTP01	Major Practical I - Lab in Cell Biology & Genetics	3			3	40	60	100
			08UBCAP01	Allied Practical I – Lab in Biochemistry	3			3	40	60	100
			08UES01	Environmental studies	1			2	25	75	100
			08UBTS01	SBECI - Environmental Biotechnology	2			2	25	75	100
II - B.Sc., Biotechnology	III	I	08UFTA03	Tamil III / French III / Hindi III	6			3	25	75	100
		II	08UFEN03	English - III	6			3	25	75	100
		III	08UBT03	Core III - Fundaments of Microbiology	4			5	25	75	100
			08USTA06	Allied III – Biostatistics	4			3	25	75	100
			08UBTP02	Major Practical II - Lab in Microbiology & Biophysics	3			-	-	-	-
			08UCSAP04	Allied Practical II – Lab in Biostatistics and computer applications in biology	3			-	-	-	-
			08UBTS02	SBEC II - Developmental Biology	2			2	25	75	100
			08UMBN01	NMEC I – Bioinstrumentation I	2			2	25	75	100

II - B.Sc., Biotechnology	IV	I	08UFTA04	Tamil IV / French IV / Hindi IV	6		3	25	75	100
		II	08UFEN04	English IV	6		3	25	75	100
		III	08UBT04	Core IV- Biophysics	4		5	25	75	100
			08UCSA04	Allied IV – Computer Applications in Biology	4		4	25	75	100
			08UBTP02	Major Practical II - Lab in Microbiology & Biophysics	3		4	40	60	100
			08UCSAP04	Allied Practical II – Lab in Biostatistics and computer applications in biology	3		3	40	60	100
			08UMBN02	NMEC – Bioinstrumentation II	2		2	25	75	100
III - B.Sc., Biotechnology	V		08UBT05	Core - Molecular Biology	5		5	25	75	100
			08UBT06	Animal Biotechnology	5		5	25	75	100
			08UBT07	Fundamentals in Recombinant DNA Technology	5		5	25	75	100
			08UBTZ01	Elective I – Immunology and Immuno Technology	5		5	25	75	100
			08UBTS03	SBEC III - Bioinformatics	2		2	25	75	100
			08UBTS04	SBEC IV - Bioinstrumentation	2		2	25	75	100
			08UBTP03	Major Practical III - Lab in Immunology, Recombinant DNA Technology, Bioinformatics & Bioprocess Technology	3		-	-	-	-
			08UBTP04	Major Practical IV - Lab in Microbes, Plants and Animals in Biotechnology	3		-	-	-	-
	VI		08UBT08	Core VIII - Microbes In Biotechnology	5		5	25	75	100
			08UBT09	Core IX - Plant Biotechnology	5		5	25	75	100
			08UBTZ02	Elective II - Bioprocess Technology	5		5	25	75	100
			08UBTZ03	Elective III - Plant Molecular Biology	5		5	25	75	100
			08UBTS05	SBEC V - Intellectual Property Rights And Bioethics	2		2	25	75	100
			08UBTS06	SBEC VI - Nano Biotechnology	2		2	25	75	100
			08UBTP03	Core practical III - Lab In Immunology, rDNA Technology, Bioinformatics And Bioprocess Technology	3		4	40	60	100
			08UBTP04	Core practical IV - Lab In Microbes, Plants And Animals In Biotechnology	3		4	40	60	100
				Extension activity			1			