

Semester - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11203108	Advanced enzymology	4.00	4	-	-	20	-	20	60	-	50	-	100
11203109	Biophysical chemistry	4.00	4	-	-	20	-	20	60	-	50	-	100
11203110	Chemistry of biomolecules	4.00	4	-	-	20	-	20	60	-	50	-	100
11203111	Analytical methods Lab 2	2.00	-	4	-	-	20	20	-	60	-	50	100
11203112	Biochemical analysis Lab 1	2.00	-	4	-	-	20	20	-	60	-	50	100
11203113	Cell Biology and physiology	4.00	4	-	-	20	-	20	60	-	50	-	100
11203114	Seminar	2.00	-	-	2	-	20	20	-	60	-	50	100
	Total	22.00	16	8	2								700

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical

Theory Passing % : 50 Practical Passing % : 50

Semester - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11203155	Intermediary metabolism	4.00	4	-	-	20	-	20	60	-	50	-	100
11203156	Plant Biochemistry	4.00	4	-	-	20	-	20	60	-	50	-	100
11203157	Microbial Biochemistry	4.00	4	-	-	20	-	20	60	-	50	-	100
11203159	Lab-1 Enzymology	2.00	-	4	-	-	20	20	-	60	-	50	100
11203160	Lab-2 PLANT BIOCHEMICAL ANALYSIS	2.00	-	4	-	-	20	20	-	60	-	50	100
11203161	Seminar	2.00	-	-	2	-	-	20	-	30	-	25	50
	Elective - 1 (Compulsory Subjects :1)	4.00	4	-		20	-	20	60	-	-	-	100
	Total	22.00	16	8	2								650

Semester - 2 Elective - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11203180	Nutritional Biochemistry and Analytical Methods	4.00	4	-		20	-	20	60	-	50	-	100
11203181	Ecology and Environmental Biochemistry	4.00	4	-		20	-	20	60	-	50	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50

Semester - 3 M.Sc.BC Sem 3 only

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11202230	Genomics and Proteomics	4.00	4	-	-	20	-	20	60	-	50	-	100
11203234	Endocrinology	4.00	4	-	-	20	-	20	60	-	50	-	100

Semester - 3

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11203201	Genetics and Biostatistics	4.00	4	-	-	20	-	20	60	-	50	-	100
11203203	Immunology	4.00	4	-	-	20	-	20	60	-	50	-	100
11203204	Molecular Biology-I	4.00	4	-	-	20	-	20	60	-	50	-	100
11203205	Lab-1 Microbiology	2.00	-	4	-	-	20	20	-	60	-	50	100
11203206	Lab-2 Molecular Biology	2.00	-	4	-	-	20	20	-	60	-	50	100
11203207	Seminar	2.00	-	-	2	-	-	20	-	30	-	25	50
	M.Sc.BC Sem 3 only (Compulsory Subjects :1)	4.00	4	-	-	40	-	-	60	-	-	-	100
	Total	22.00	16	8	2								650

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50

Semester - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11202256	Seminar	1.00	-	-	2	-	-	20	-	30	-	25	50
11203217	Clinical Biochemistry	4.00	4	-	-	20	-	20	60	-	50	-	100
11203219	Dissertation Work	20.00	-	20	-	-	100	-	-	200	-	150	300
	M.Sc-Biochem-4 (Compulsory Subjects :1) - Only This Group	4.00	4	-	-	40	-	-	60	-	-	-	100
	Total	29.00	8	20	2								550

Semester - 4 M.Sc-Biochem-4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
11203280	Molecular Biology-II & Bioinformatics	4.00	4	-	-	20	-	20	60	-	50	-	100
11203281	Basics of Hormones	4.00	4	-	-	20	-	20	60	-	50	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50

Research Project Guidelines:

Advanced – level disciplinary/interdisciplinary courses related to topic selection and research methodology and initial stage of research will be conducted like: determining the definition of the information needed, determining the methods of collection of qualitative and quantitative data, conducting secondary data analysis etc.

45 days (180 Hrs.)