

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.	
11203114	Seminar	2.00	-	-	2	-	-	20	-	30	-	25	50
11218101	Principles of Genetics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218102	Cell Biology	4.00	4	-	-	20	-	20	60	-	50	-	100
11218103	Molecular Genetics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218106	Lab-1 Genetics	3.00	-	6	-	-	20	20	-	60	-	50	100
11218107	Cell Biology-Lab-II	3.00	-	6	-	-	20	20	-	60	-	50	100
	M.Sc.-Gen-1 (Compulsory Subjects :1)	4.00	4	-	-	20	-	20	60	-	-	-	100
	Total	24.00	16	12	2								650

Semester - 1 M.Sc.-Gen-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.	
11218180	Medical Biochemistry	4.00	4	-	-	20	-	20	60	-	50	-	100
11218181	Biodiversity	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 - 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.	
11203161	Seminar	2.00	-	-	2	-	-	20	-	30	-	25	50
11218251	Population Genetics and Biostatistics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218252	Genomics and Proteomics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218254	Human Cytogenetics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218256	Lab-1 Population Genetics	3.00	-	6	-	-	20	20	-	60	-	50	100
11218257	Lab-2 Genetic Engineering	3.00	-	6	-	-	20	20	-	60	-	50	100
	M.Sc-Gen-2 (Compulsory Subjects :1)	4.00	4	-	-	20	-	20	60	-	-	-	100
	Total	24.00	16	12	2								650

Semester - 2 M.Sc-Gen-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.	
11218282	DNA Technology and Genetic Engineering	4.00	4	-	-	20	-	20	60	-	50	-	100
11218283	Protein purification Techniques	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

						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.	
11203207	Seminar	2.00	-	-	2	-	-	20	-	30	-	25	50
11218201	Biochemical and Immunogenetics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218202	Bioinformatics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218203	Clinical Genetics and Genetic Toxicology	4.00	4	-	-	20	-	20	60	-	50	-	100
11218204	Lab-1 (Immunogenetics)	3.00	-	6	-	-	40	20	-	60	-	50	100
11218206	Lab-2 (Bioinformatics)	3.00	-	6	-	-	40	20	-	60	-	50	100
	M.Sc-Gen-3 (Compulsory Subjects :1)	4.00	4	-	-	20	-	20	60	-	-	50	100
	Total	24.00	16	12	2								650

Semester - 3 M.Sc-Gen-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.	
11218284	Somatic Cell and Cancer Genetics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218285	Clinical 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 - 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.	
11203219	Dissertation Work	20.00	-	20	-	-	100	-	-	200	-	150	300
11218258	Developmental and Behavioral Genetics	4.00	4	-	-	20	-	20	60	-	50	-	100
11218259	Seminar Work	2.00			2	-	-	20	-	30	-	25	50
	Total	26.00	4	20	2								450

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.)