



Semester - 1

						Internal				External				Total				Total Marks
						Theory		Practical		Theory		Practical		Theory (Internal + External)		Practical (Internal + External)		
Sr. No.	Subject	Credit	Lect	Lab	Tut	Max	Passing	Max	Passing	Max	Passing	Max	Passing	Max	Passing	Max	Passing	
1	Principles of Genetics	3	2	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
2	Principles of Plant Breeding	3	2	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
3	Fundamentals of Quantitative Genetics	3	2	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
4	Varietal Development and Maintenance Breeding	2	1	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
5	Principles of Biotechnology	3	3	0	-	50	-	-	-	50	-	-	-	100	60	-	-	100
6	Experimental Designs	3	2	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
7	Library and Information Services	1	0	2	-	-	-	100	60	-	-	-	-	-	-	100	60	100
8	Basic Concepts in Laboratory Techniques	1	0	2	-	-	-	100	60	-	-	-	-	-	-	100	60	100
Total		19	12	14	0	200	0	300	120	300	0	0	0	600	360	200	120	800

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical,
Theory Passing % : 60 Practical Passing % : 60



Semester - 2

						Internal				External				Total				Total Marks
						Theory		Practical		Theory		Practical		Theory (Internal + External)		Practical (Internal + External)		
Sr. No.	Subject	Credit	Lect	Lab	Tut	Max	Passing	Max	Passing	Max	Passing	Max	Passing	Max	Passing	Max	Passing	
1	Principles of Cytogenetics	3	2	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
2	Mutagenesis and Mutation Breeding	3	2	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
3	Plant Genetic Engineering	3	3	0	-	50	-	-	-	50	-	-	-	100	60	-	-	100
4	Statistical Methods for Applied Science	4	3	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
5	Technical Writing and Communication Skills	1	0	2	-	-	-	100	60	-	-	-	-	-	-	100	60	100
6	Intellectual Property and its Management in Agriculture	1	1	0	-	50	-	-	-	50	-	-	-	100	60	-	-	100
7	Research	5	0	10	-	-	-	100	60	-	-	-	-	-	-	100	60	100
	Total	20	11	18	0	190	0	260	120	250	0	0	0	500	300	200	120	700

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical,
Theory Passing % : 60 Practical Passing % : 60



Semester - 3

						Internal				External				Total				Total Marks
						Theory		Practical		Theory		Practical		Theory (Internal + External)		Practical (Internal + External)		
Sr. No.	Subject	Credit	Lect	Lab	Tut	Max	Passing	Max	Passing	Max	Passing	Max	Passing	Max	Passing	Max	Passing	
1	Molecular Breeding and Bioinformatics	3	2	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
2	Seed Dormancy and Germination	2	1	2	-	30	-	20	-	50	-	-	-	100	60	-	-	100
3	Agricultural Research, Research Ethics & Rural Development Programmes	1	1	0	-	50	-	-	-	50	-	-	-	100	60	-	-	100
4	Seminar	1	0	2	-	-	-	100	60	-	-	-	-	-	-	100	60	100
5	Research	10	0	20	-	-	-	100	60	-	-	-	-	-	-	100	60	100
	Total	17	4	26	0	110	0	240	120	150	0	0	0	300	180	200	120	500

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

Theory Passing % : 60 Practical Passing % : 60



Semester - 4

						Internal				External				Total				Total Marks
						Theory		Practical		Theory		Practical		Theory (Internal + External)		Practical (Internal + External)		
Sr. No.	Subject	Credit	Lect	Lab	Tut	Max	Passing	Max	Passing	Max	Passing	Max	Passing	Max	Passing	Max	Passing	
1	Research	15	0	30	-	-	-	100	60	-	-	-	-	-	-	100	60	100
	Total	15	0	30				100	60							100	60	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical,
Theory Passing % : 60 Practical Passing % : 60