



Department of Genetics  
 St. Ann's College For Women (Autonomous), Affiliated To Osmania University  
 Accredited 'A+' Grade by NAAC (3rd Cycle), College with Potential for Excellence by UGC  
 Mehdiapatnam, Hyderabad -500 028

## CORE STRUCTURE FOR B.Sc I,II,III YEAR GCM &GCZ

Seme ster	Generic Code	Course code	Course Title	PPW	Cre dit	CI A	ESE	Passing minimum in	
								ES E	Aggre gate
<b>I</b>	DSC1	GEN101	Transmission Genetics & Cytogenetics	4	4	30	70	28	40
	DSC1-Pr	GEN111	Transmission Genetics & Cytogenetics	3	1	15	35	14	20
	AECC -1	AECC101	Environment al Science	2	2	15	35	14	20
<b>II</b>	DSC2	GEN202	Biochemistry and Microbial Genetics	4	4	30	70	28	40
	DSC2-Pr	GEN212	Biochemistry and Microbial Genetics	3	1	15	35	14	20
	AECC - 2	AECC	Gender Studies	2	2	15	35	14	20
<b>III</b>	DSC3	GEN303	Molecular Genetics and Genetic Engineering	4	4	30	70	28	40
	DSC3-Pr	GEN313	Molecular Genetics and Genetic Engineering	3	1	15	35	14	20
	ISEC1	SEC301	Communicati on/Profession al skills	2	2	15	35	14	20
	DSEC2	SEC302	Dept. Specific COC/ Clinical cytogenetics	2	2	15	35	14	20
<b>IV</b>	DSC4	GEN404	Biostatistics and	4	4	30	70	28	40



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			Population Genetics						
	DSC4-Pr	GEN414	Biostatistics and Population Genetics	3	1	15	35	14	20
	ISEC3	SEC403	Leadership and Management skills/Human Values	2	2	15	35	14	20
	DSEC4	SEC404	Dept. Specific COC/ PCR diagnostics	2	2	15	35	14	20
<b>V</b>	DSE5A	GEN505A	Molecular technologies and Bioinformatics	4	4	30	70	28	40
	DSE5A-Pr	GEN515A	Molecular technologies and Bioinformatics	3	1	15	35	14	20
	DSE5B	GEN505B	Cellular and molecular immunology	4	4	30	70	28	40
	DSE5B-Pr	GEN515B	Cellular and molecular immunology	3	1	15	35	14	20
	GE1	GE 501	a) Genetics and society b) IPR, Biosafety and entrepreneurship	4	4	30	70	28	40
	AECC - 3*	AECC03	Capacity building	2	2	15	35	14	20



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<b>VI</b>	DSE6A	GEN606A	Human Genetics and Regenerative Medicine	4	4	30	70	28	40
	DSE6A-Pr	GEN616A	Human Genetics and Regenerative Medicine	3	1	15	35	14	20
	DSE6B	GEN606B	Plant Genetics & Biotechnology	4	4	30	70	28	40
	DSE6B-Pr	GEN616B	Plant Genetics & Biotechnology	3	1	15	35	14	20
	PR1/DS C7	GEN607	Project	4	3	15	35	14	20