

M.Sc Biotechnology Choice Based Credit System (CBCS) 2015-2016

Semester I (December-2015)

Marks

Sr. No.	Course Code	Subject/Title	Credits	Theory	Int Ass
1	BT-111	Cell Biology	04	80	20
2	BT-112	Bio molecules & Metabolism	04	80	20
3	BT-113	Microbiology	04	80	20
4	BT-114	Molecular Biology	04	80	20
5	BT-115	Genetic Engineering	04	80	20
6	BT-116	Lab course-I (Cell Biology, Bio molecules)	04	50	
7	BT-117	Lab course-II	06	50	
	Total		30	600	

Semester II (May-2016)

Sr. No.	Course Code	Subject/Title	Credits	Theory	Int Ass
1	BT-211	Immunology	04	80	20
2	BT-212	Bioinformatics	04	80	20
3	BT-213	Molecular Human Physiology and Dev. Biology	04	80	20
4	BT-214	Molecular Plant Physiology & Development Biology	04	80	20
5	BT-215	Open elective subject Principles & Applications of Biotechnology	04	80	20
6	BT-216	Foundation course: Communicative skills	02	50	
7	BT-217	Lab course-I (Immunology, Bioinformatics)	04	50	
8	BT-218	Lab course-II (Mol. Human Phys., Mol. Plant Phys.)	04	50	
	Total		30	650	

Semester III (December- 2016)

Sr. No.	Course Code	Subject/Title	Credits	Theory	Int Ass
1	BT-311	Bioprocess Engineering	04	80	20
2	BT-312	Plant Biotechnology	04	80	20
3	BT-313	Animal Biotechnology	04	80	20
4	BT-314	Environmental Biotechnology	04	80	20
5	BT-315	Lab course-I (Bioprocess Engg, Plant Biotech)	04	50	
6	BT-316	Lab course-II (Animal Biotech, Environ Biotech)	04	50	
7	Soft core BT-317-319	Biostats/ Virology/Nano- Biotechnology BT-317/BT-318/ BT-319	04	80	20
	Total		28	600	

Semester IV (May- 2017)

Sr. No.	Course Code	Subject/Title	Credits	Theory	Int Ass
1	BT-411	IPR Bio safety, Ethical, Legal , Social issues In Biotechnology	04	80	20
2	BT-412	Microbial Technology	04	80	20
3	BT-413	Dissertation	20	300	
	Total		28	500	

Total credits=116 Total Marks=2350

M.Sc Agriculture Biotechnology Choice Bases Credit System (CBCS) 2015-16

Semester I (December-2015)

Marks

Sr. No.	Course Code	Subject/Title	Credits	Theory	Int Ass
1	ABT-111	Cell Biology	04	80	20
2	ABT-112	Bio molecules & Metabolism	04	80	20
3	ABT-113	Microbiology	04	80	20
4	ABT-114	Molecular Biology	04	80	20
5	ABT-115	Genetic Engineering	04	80	20
6	ABT-116	Lab course-I (Cell Biology, Bio molecules)	04	50	
7	ABT-117	Lab course-II	06	50	
	Total		30	600	

Semester II (May-2016)

Sr. No.	Course Code	Subject/Title	Credits	Theory	Int Ass
1	ABT-211	Plant Tissue Culture	04	80	20
2	ABT-212	Bioinformatics	04	80	20
3	ABT-213	Molecular Breeding	04	80	20
4	ABT-214	Plant Molecular Biology	04	80	20
5	ABT-215	Open elective subject: Principles & Applications of Agriculture Biotechnology	04	80	20
6	ABT-216	Foundation course: Communicative skills	02	50	
7	ABT-217	Lab course-I (Plant Tissue Culture, Bioinformatics)	04	50	
8	ABT-218	Lab course-II (Mol. Breeding, Plant Molecular Biology)	04	50	
	Total		30	650	

Semester III (December- 2016)

Sr. No.	Course Code	Subject/Title	Credits	Theory	Int Ass
1	ABT-311	Plant Genetic Engineering	04	80	20
2	ABT-312	Plant Metabolic Engineering & Molecular Farming	04	80	20
3	ABT-313	Genomics and Proteomics	04	80	20
4	ABT-314	Biotic and Abiotic Stress Biology	04	80	20
5	ABT-315	Lab course-I (Plant Genetic Engg, Plant Metabolic Engg & Molecular Farming)	04	50	
6	ABT-316	Lab course-II (Genomics & Proteomics, Biotic & Abiotic Stress Biology)	04	50	
7	Soft core BT-317-319	Industrial & Food Biotech/ Crop Protection & Integrated Pest Management/ Biostatistics & Agro-economics BT-317/BT-318/ BT-319	04	80	20
	Total		28	600	

Semester IV (May- 2017)

Sr. No.	Course Code	Subject/Title	Credits	Theory	Int Ass
1	ABT-411	Biodiversity, IPR & Biosafety	04	80	20
2	ABT-412	Animal Biotechnology & Immunology	04	80	20
3	ABT-413	Dissertation	20	300	
	Total		28	500	

Total credits=116 Total Marks=2350