

MAHAKAUSHAL UNIVERSITY, JABALPUR (M.P)



SCHEME

**Faculty of Agriculture Science & Technology
Department of Agriculture Science
Study and Evaluation Scheme**

**Of
M.Sc.(Ag.) Genetics and Plant Breeding**

**Duration of Course: 02 year
Mode Examination: Semester**

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or changes/modifications to this syllabus as deemed necessary**

M.Sc. Agriculture I SEM DEPARTMENT OF GENETICS AND PLANT BREEDING

Paper Code	Paper Name	L	T	P	C	Theory	Sessional	Total		Practical	
						Max.	Max.	Max.	Min.	Max.	Min.
MGPB0101-T	Principles of Genetics	2	0	0	2	80	20	100	50	-	-
MGPB0102-T	Principles of cytogenetics	2	0	0	2	80	20	100	50	-	-
MGPB0103-T	Principles of Plant Breeding	2	0	0	2	80	20	100	50	-	-
MGPB0104-T	Cell Biology and Molecular Genetics	2	0	0	2	80	20	100	50	-	-
MGPB0105-T	Mycology	2	0	0	2	80	20	100	50	-	-
MGPB0106-T	Statistical Methods for Applied Sciences	3	1	0	3	80	20	100	50	-	-
MGPB0101-P	Principles of Genetics Lab	0	0	1	1	-	-	-	-	50	30
MGPB0102-P	Principles of cytogenetics Lab	0	0	1	1	-	-	-	-	50	30
MGPB0103-P	Principles of Plant Breeding Lab	0	0	1	1	-	-	-	-	50	30
MGPB0104-P	Cell Biology and Molecular Genetics Lab	0	0	1	1	-	-	-	-	50	30
MGPB0105-P	Mycology Lab	0	0	1	1	-	-	-	-	50	30
MGPB0106-P-	Statistical Methods for Applied Sciences Lab	0	1	1	1	-	-	-	-	50	30
MGPB0107-P	Detection and Diagnosis of Plant Diseases Lab	0	0	2	2	-	-	-	-	50	30
MGPB0108-P	Basic Concept in Laboratory Techniques				N. C.		Satisfactory /NonSatisfactory	-	-	-	-
MGPB0109-P	Agricultural Research, Research Ethics and Rural Development Programmes				N. C.		Satisfactory /NonSatisfactory	-	-	-	-
Total					21	480	120	600		350	

M.Sc. Agriculture II SEM DEPARTMENT OF GENETICS AND PLANT BREEDING

Paper Code	Paper Name	L	T	P	C	Theory	sessional	Total		Practical	
						Max.	Max.	Max.	Min.	Max.	Min.
MGPB0201-T	Principles of Quantitative Genetics	2	0	0	2	80	20	100	50	-	-
MGPB0202-T	Biotechnology for Crop Improvements	2	0	0	2	80	20	100	50	-	--
MGPB0203-T	Maintenance Breeding and Concept of Variety Release and Seed Production	1	0	0	1	80	20	100	50	-	-
MGPB0204-T	Integrated Disease Management	2	0	0	2	80	20	100	50	-	-
MGPB0205-T	Mushroom Production Technology	2	0	0	2	80	20	100	50	-	-
MGPB0206-T	Design of Experiments	2	0		2	80	20	100	50	-	-
MGPB0201-P	Principles of Quantitative Genetics Lab	0	0	1	1	-	-	-	-	50	30
MGPB0202-P	Biotechnology for Crop Improvements lab	0	0	1	1	-	-	-	-	50	30
MGPB0203-P	Maintenance Breeding and Concept of Variety Release and Seed Production lab	0	0	1	1	-	-	-	-	50	30
MGPB0204-P	Integrated Disease Management lab	0	0	1	1	-	-	-	-	50	30
MGPB0205-P	Mushroom Production Technology lab	0	0	1	1	-	-	-	-	50	30
MGPB0206-P	Design of Experiments lab	0	0	1	1	-	-	-	-	50	30
MGPB0207-P	Library and Information Services				N. C.		Satisfactory /nonSatisfactory				
MGPB0208-P	Intellectual Property and its Management in Agriculture				N. C.		Satisfactory /nonSatisfactory				
Total					17	480	120	600		300	

M.Sc. Agriculture III SEM DEPARTMENT OF GENETICS AND PLANT BREEDING

Paper Code	Paper Name	L	T	P	C	Sessional		Total		Practical	
						Theory		Max.	Min.	Max.	Min.
						Max.	Max.	Max.	Min.	Max.	Min.
MGPB0301-P	Masters Seminar	0	0	1	1	-	-	-	-	50	25
MGPB0302-P	Masters Research (Under Process)	0	0	10	10					Under Process	
MGPB0303-P	Technical Writing and Communication Skill			N · C ·		-	Satisfactory /Non Satisfactory	-	-	-	-
MGPB0304-P	Disaster Management			N · C ·		-	Satisfactory /Non Satisfactory	-	-	-	-
MGPB0305-P	Charitra Nirman Evam Samgra Vyaktitva Vikas			N · C ·			Satisfactory /Non Satisfactory				
Total					11					50	

M.Sc. Agriculture IV SEM DEPARTMENT OF GENETICS AND PLANT BREEDING

Paper Code	Paper Name	L	T	P	C	Theory	sessional	Total		Practical	
						Max.	Max.	Max.	Min.	Max.	Min.
MGPB0401-P	Masters Research(Accepted)			10	10+10 = 20	-	-	-	-	500	250

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