

# **SCHEME**

**Master of Science in Agriculture**

**(As per, 5<sup>th</sup> Dean Committee of ICAR)**

**Faculty of Agriculture Science & Technology**

**Department of Agriculture Science**



**Study and Evaluation Scheme  
of**

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

(Applicable w.e.f. Academic Session 2018 to till revised)

**Duration of Course: 02 year**

**Mode of Examination: Semester**

**SWAMI VIVEKANAND  
UNIVERSITY, SIRONJA, SAGAR,  
(M.P.)**

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# Swami Vivekanand University, Sagar (M.P.)



## Scheme- First Semester M.Sc. (Genetics and Plant Breeding)

Paper Code	Paper Name	Credit	Theory	Sessional	Total		Practical	
			Max.	Max.	Max.	Min.	Max.	Min.
GPB-501	Principles of Genetics	3(2+1)	80	20	100	50	50	30
GPB-502	Principles of Cytogenetic	3(2+1)	80	20	100	50	50	30
GPB-503	Principles of Plant Breeding	3(2+1)	80	20	100	50	50	30
GPB-504	Cell Biology and Molecular Genetics	3(2+1)	80	20	100	50	50	30
PP-502	Mycology	3(2+1)	80	20	100	50	50	30
PP-504	Detection and Diagnosis of Plant Diseases	2(0+2)	-	-	-	-	50	30
STAT-501	Statistical Methods for Applied Sciences	4(3+1)	80	20	100	50	50	30
PGS-501	Basic Concept in Laboratory Techniques	N.C.		Satisfactory/Non Satisfactory				
PGS-502	Agricultural Research, Research Ethics and Rural Development Programmes	N.C.		Satisfactory/Non Satisfactory				
<b>Total</b>		<b>21(13+8)</b>	<b>480</b>	<b>120</b>	<b>600</b>	<b>300</b>	<b>350</b>	<b>210</b>



# Swami Vivekanand University, Sagar (M.P.)



## Scheme- Second Semester M.Sc. (Genetics and Plant Breeding)

Paper Code	Paper Name	Credit	Theory	Seasonal	Total		Practical	
			Max.	Max.	Max.	Min.	Max.	Min.
GPB-511	Principles of Quantitative Genetics	3(2+1)	80	20	100	50	50	30
GPB-512	Biotechnology for Crop Improvements	3(2+1)	80	20	100	50	50	30
GPB-513	Maintenance Breeding and Concept of Variety Release and Seed Production	2(1+1)	80	20	100	50	50	30
PP-512	Integrated Disease Management	3(2+1)	80	20	100	50	50	30
PP-513	Mushroom Production Technology	3(2+1)	80	20	100	50	50	30
STAT-511	Design of Experiments	3(2+1)	80	20	100	50	50	30
PGS-511	Library and Information Services	N.C.		Satisfactory /non Satisfactory				
PGS-512	Intellectual Property and its Management in Agriculture	N.C.		Satisfactory /non Satisfactory				
<b>Total</b>		<b>17(11+6)</b>	<b>480</b>	<b>120</b>	<b>600</b>	<b>300</b>	<b>300</b>	<b>180</b>



# Swami Vivekanand University, Sagar (M.P.)



## Scheme- Third Semester M.Sc. (Genetics and Plant Breeding)

Paper Code	Paper Name	Credit	Theory	Seasonal	Total		Practical	
			Max.	Max.	Max.	Min.	Max.	Min.
GPB-591	Masters Seminar	1(0+1)	-	-	-	-	100	50
GPB-599	Masters Research (Under Process)	10(0+10)		Satisfactory /Non Satisfactory				
PGS-521	Technical Writing and Communication Skill	N.C.	-	-	-	-	-	-
PGS-522	Disaster Management	N.C.	-	-	-	-	-	-
SVN-500	Charitra Nirman Evam Samgra Vyaktitva Vikas	N.C.						
<b>Total</b>		<b>11(0+11)</b>					<b>100</b>	<b>50</b>



Swami Vivekanand University, Sagar (M.P.)



**Scheme- Fourth Semester  
M.Sc. (Genetics and Plant Breeding)**

Paper Code	Paper Name	Credit	Theory	Seasonal	Total		Practical	
			Max.	Max.	Max.	Min.	Max.	Min.
GPB-599	Masters Research (Accepted)	10(0+10)	-	Satisfactory /Non Satisfactory	-	-	-	-