

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



SCHEME

For

Bachelor of Science in Agriculture

As per, ICAR Norms 5th Dean Committee

Course Code: BSCAG

Department of Agriculture Science
Faculty of Agriculture Science

Duration of Course : 4 Year

Examination Mode : Semester

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

2016-2020



Swami Vivekanand University, Sagar (.MP.)



Scheme : July 2016
B.Sc. (Agriculture) - I Sem.

Paper Code	Paper Name	Subject Code	Credit	Theory	Sessional	Total		Practical	
				Max.	Max.	Max.	Min.	Max.	Min.
BSCAG 101	Fundamentals of Horticulture	FHR	2 (1+1)	80	20	100	50	50	25
BSCAG 102	Fundamentals of Plant Biochemistry and Biotechnology	FBB	3(2+1)	80	20	100	50	50	25
BSCAG 103	Fundamentals of Soil Science	FSS	3(2+1)	80	20	100	50	50	25
BSCAG 104	Introduction to Forestry	IFR	2 (1+1)	80	20	100	50	50	25
BSCAG 105	Comprehension & Communication Skills in English	CCE	2 (1+1)	80	20	100	50	50	25
BSCAG 106	Fundamentals of Agronomy	FAG	4(3+1)	80	20	100	50	50	25
BSCAG 107	Rural Sociology & Educational Psychology	RSE	2(2+0)	80	20	100	50	-	-
BSCAG 108	Introductory Biology*/Elementary Mathematics*	INB/EMN	2(1+1)/2(2+0) *	80/80	20/20	100/100	50/50	50/0	25/0
BSCAG 109	Agricultural Heritage*	AGH	1 (1+0)	80	20	100	50	-	-
BSCAG 110	Human Values & Ethics (non gradial)	HVE	1(1+0)**	80	20	100	50	-	-
BSCAG 111	NSS/NCC/Physical Education & Yoga Practices**	NSS/NCC/ PE/YP	2 (0+2)	-	-	-	-	50	25
Total				800	200	1000	500	400	200

*R: Remedial course; **NC: Non-gradial courses



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Scheme : July 2016
B.Sc. (Agriculture) - II Sem.

Paper Code	Paper Name	Subject Code	Credit	Theory	Sessional	Total		Practical	
				Max.	Max.	Max	Min.	Max.	Min.
BSCAG 201	Fundamentals of Genetics	FGN	3(2+1)	80	20	100	50	50	25
BSCAG 202	Agricultural Microbiology	AGM	2(1+1)	80	20	100	50	50	25
BSCAG 203	Soil and Water Conservation Engineering	SWE	2(1+1)	80	20	100	50	50	25
BSCAG 204	Fundamentals of Crop Physiology	FCP	2(1+1)	80	20	100	50	50	25
BSCAG 205	Fundamentals of Agricultural Economics	FAE	2(2+0)	80	20	100	50	-	-
BSCAG 206	Fundamentals of Plant Pathology	FPP	4(3+1]	80	20	100	50	50	25
BSCAG 207	Fundamentals of Entomology	FEN	4(3+1)	80	20	100	50	50	25
BSCAG 208	Fundamentals of Agricultural Extension Education	FEE	3(2+1)	80	20	100	50	50	25
BSCAG 209	Communication Skills and Personality Development	CSP	2(1+1)	80	20	100	50	50	25
	Total	-	-	720	180	900	450	400	200

*R: Remedial course; **NC: Non-gradual courses



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Scheme : July 2016
B.Sc. (Agriculture) - III Sem.

Paper Code	Paper Name	Subject Code	Credit	Theory	Sessional	Total		Practical	
				Max.	Max.	Max	Min.	Max.	Min.
BSCAG 301	Crop Production Technology- I (Kharif Crops)	CPT - I	2(1+1)	80	20	100	50	50	25
BSCAG 302	Fundamentals of Plant Breeding	FPB	3(2+1)	80	20	100	50	50	25
BSCAG 303	Agricultural Finance and Cooperation	AFC	3(2+1)	80	20	100	50	50	25
BSCAG 304	Agri-Informatics	AIF	2(1+1)	80	20	100	50	50	25
BSCAG 305	Farm Machinery and Power	FMP	2(1+1)	80	20	100	50	50	25
BSCAG 306	Production Technology for Vegetables and Spices	PVS	2(1+1)	80	20	100	50	50	25
BSCAG 307	Environmental Studies and disaster Management	ESD	3(2+1)	80	20	100	50	50	25
BSCAG 308	Statistical Methods	STM	2(1+1)	80	20	100	50	50	25
BSCAG 309	Livestock and Poultry Management	LPM	4(3+1)	80	20	100	50	50	25
	Total		23(14+9)	720	180	900	450	450	225

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Scheme : July 2016
B.Sc. (Agriculture) - IV Sem.

Paper Code	Paper Name	Subject Code	Credit	Theory	Sessional	Total		Practical	
				Max.	Max.	Max	Min.	Max.	Min.
BSCAG 401	Crop Production Technology – II (Rabi Crops)	CPT - II	2(1+1)	80	20	100	50	50	25
BSCAG 402	Production Technology for Ornamental Crops, MAP and Land Cropping	PTO	2(1+1)	80	20	100	50	50	25
BSCAG 403	Renewable Energy and Green Technology	REG	2(1+1)	80	20	100	50	50	25
BSCAG 404	Problematic Soils and their Management	PSM	2(2+0)	80	20	100	50	00	00
BSCAG 405	Production Technology For Fruit and Plantation Crops	PFP	2(1+1)	80	20	100	50	50	25
BSCAG 406	Principles of Seed Technology	PST	3(1+2)	80	20	100	50	50	25
BSCAG 407	Farming System & Sustainable Agriculture	FSA	1(1+0)	80	20	100	50	00	00
BSCAG 408	Agricultural Marketing Trade & Prices	AMT	3(2+1)	80	20	100	50	50	25
BSCAG 409	Introductory Agro-meteorology & Climate Change	IAC	2(1+1)	80	20	100	50	50	25
BSCAG 410	Elective Course (Bio pesticides & Bio fertilizers)	BBF	3 (2+1)	80	20	100	50	50	25
	Total		22(13+9)	800	200	1000	500	400	200

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Scheme : July 2016
B.Sc. (Agriculture) - V Sem.

Paper Code	Paper Name	Subject Code	Credit	Theory	Sessional	Total		Practical	
				Max.	Max.	Max	Min.	Max.	Min.
BSCAG 501	Principles of Integrated Pest and Diseased Management	PPM	3(2+1)	80	20	100	50	50	25
BSCAG 502	Manures, Fertilizers and Soil Fertility Management	MFM	3(2+1)	80	20	100	50	50	25
BSCAG 503	Pests of Crops and Stored Grain and their Management	PSM	3(2+1)	80	20	100	50	50	25
BSCAG 504	Diseases of Field and Horticultural Crops and their Management - I	DFM I	3(2+1)	80	20	100	50	50	25
BSCAG 505	Crop Improvement – I (Kharif Crops)	CIP I	2(1+1)	80	20	100	50	50	25
BSCAG 506	Entrepreneurship Development and Business Communication	EDB	2(1+1)	80	20	100	50	50	25
BSCAG 507	Geoin Formatics and Nano-technology and Precision Farming	GNP	2(1+1)	80	20	100	50	50	25
BSCAG 508	Practical Crop Production – I (Kharif Crops)	PCP I	2(0+2)	80	20	100	50	50	25
BSCAG 509	Intellectual Property Rights	IPR	1(1+0)	80	20	100	50	00	00
BSCAG 510	Agri-business Management	ABM	3 (2+1)	80	20	100	50	50	25
	Total		24(14+10)	800	200	1000	500	450	225

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Scheme : July 2016
B.Sc. (Agriculture) - VI Sem.

Paper Code	Paper Name	Subject Code	Credit	Theory	Sessional	Total		Practical	
				Max.	Max.	Max	Min.	Max.	Min.
BSCAG 601	Rain fed Agriculture & Watershed Management	RAW	2(1+1)	80	20	100	50	50	25
BSCAG 602	Protected Cultivation and Secondary Agriculture	PCA	2(1+1)	80	20	100	50	50	25
BSCAG 603	Diseases of Field and Horticultural Crops and their Management – II	DFH	3(2+1)	80	20	100	50	50	25
BSCAG 604	Post-harvest management and value addition of Fruit and Vegetables	PMV	2(1+1)	80	20	100	50	50	25
BSCAG 605	Management of Beneficial Insects	MBI	2(1+1)	80	20	100	50	50	25
BSCAG 606	Crop Improvement – II (Rabi Crops)	CIP II	2(1+1)	80	20	100	50	50	25
BSCAG 607	Practical Crop Production – II (Rabi Crops)	PCP II	2(0+2)	00	00	00	00	50	25
BSCAG 608	Principles of Organic Farming	PDF	2(1+1)	80	20	100	50	50	25
BSCAG 609	Farm Management, Production & Resource Economics	FPR	2(1+1)	80	20	100	50	50	25
BSCAG 610	Principles of Food Science and Nutrition	PFN	2(2+0)	80	20	100	50	00	00
BSCAG 611	Agrochemicals	ACM	3 (2+1)	80	20	100	50	50	25
	Total		24(13+11)	800	200	1000	500	500	250