

SYLLABUS

AP STATE COUNCIL OF HIGHER EDUCATION CBCS PATTERN FOR B.Sc Agriculture and Rural Development SYLLABUS - 2020

Semester		Major* (4 Cr)
	CODE	C
SEM 1	23SAR1MJ01	Fundamentals of Agronomy
	23SAR1MJ02	Fundamentals of Plant Breeding & Genetics
	23SAR1MJ03	Introduction to Plant Pathology
	23SAR1MJ04	Rural Development in India
	23SAR2MJ05	Extension & Rural Development in India
	23SAR1MD01	Fundamentals of Agriculture Economics
	23SAR1SE01	Plant Biochemistry & Biotechnology
	23SAR1SE02	Agricultural Informatics
Semester		Major* (4 Cr)
	CODE	C
SEM 2	23SAR2MJ01	Agrometeorology & Climatic Changes
	23SAR2MJ02	Fundamentals of Entomology
	23SAR2MJ03	Fundamentals of Soil Science
	23SAR2MJ04	Soil & Water Conservation Engineering
	23SAR2MJ05	Extension & Rural Development in India
	23SAR2MN01	Fundamentals of Horticulture
	23SAR2MN02	Production Technology for Medicinal & Aromatic Plants
	23SAR2SE01	Livestock and poultry management
	23SAR2SE02	Statistical analysis
	CODE	C
SEM 3	23SAR3MJ01	Crop Production Technology-I
	23SAR3MJ02	Economics for Rural Development
	23SAR3MJ03	Insect Ecology & IPM
	23SAR3MJ04	Agriculture Finance & Co-operation
	23SAR3MJ05	Principles of Plant Pathology-II
	23SAR3MJ06	Farm Machinery & Power
	23SAR3MJ07	Eco-Physiology
	23SAR3MN01	Production Technology for Vegetables
	23SAR3MN02	Production Technology for Ornamental Crops & Landscaping
		23SAR3MD01
	23SAR3SE01	Agriculture Microbiology

YEAR	SEMESTER	COURSE	TITLE OF THE COURSE	COURSE CODE	NO OF HRS/WEEK	NO OF CREDITS	
II	IV	1	Crop production – II	AGRO 202	2	2	
			Practical			2	1
		2	Irrigation water management, farming system and sustainable agriculture	AGRO 203	2	2	
			Practical			2	1
		3	Agriculture marketing, trade prices	AECO 242	2	2	
			Practical			2	1
		4	Manures, Fertilizers and soil fertility	SSAC221	2	2	
			Practical			2	1
		5	Production technology for ornamental crops, medicinal, aromatic plants and land scaping	HORT282	2	2	
			Practical +			2	1
		6	Entrepreneuership development and business communication	AEXT292	1	1	
			Practical			2	1
		7	Renewable energy and green technology	AENG252	1	1	
			Practical			2	1
		8	Live-stock and poultry management	LPSM 201	2	2	
		9	Practical			2	1
			Statistical methods	SMCA 201	1	1	
			Practical			2	1

YEAR	SEMESTER	COURSE	TITLE OF THE COURSE	COURSE CODE	NO OF HRS/WEEK	NO OF CREDITS	
III	V	1	Principles of organic farming	AGRO-304	1	1	
			Practical		2	1	
		2	Practical crop production	AGRO -302	2	1	
		3	Principles of food science and nutrition	BICM – 300	2	2	
		4	Crop improvement-I (cereals, millets pulses and oil seeds)	GPBR-311	1	1	
			Practical		2	1	
		5	Problematic soils and their management	SSAC-321	1	1	
			Practical		2	1	
		6	Pest of field crops and stored grain and their management	ENTO-331	2	2	
			Practical		2	1	
		7	Protected cultivation and post harvest technologies	AENG-351	1	1	
			Practical		2	1	
		8	Diseases of field crops and their management	PATH-371	2	2	
			Practical		2	1	
		9	Principles of integrated pest and disease management	PATH-373	1	1	
			Practical		2	1	
		10	Production Technology of Fruits and Plantation Crops	HORT-382	1	1	
			Practical		2	1	
						30	21

YEAR	SEMESTER	COURSE	TITLE OF THE COURSE	COURSE CODE	NO OF HRS/WEEK	NO OF CREDITS		
III	VI	1	Rainfed Agriculture and Watershed Management	AGRO 303	1	2		
			Practical				2	1
		2	Crop Improvement-II (Fibre, Sugar, Starches, Narcotics, Vegetables, Fruits and Flowers)	GPBR 312	1	2(1+1)		
			Practical				2	1
		3	Principles of Seed Technology	GPBR 314	2	3		
			Practical				2	1
		4	Pest of Horticultural Crops and their Management and Beneficial insects	ENTO 332	2	3(2+1)		
			Practical				2	1
		5	Farm Management, Production and Resource Economics	AECO 341	1	2(1+1)		
			Practical				2	1
		6	Diseases of Field and Horticultural Crops and their Management - II (Horticultural Crops)	PATH 372	1	2(1+1)		
			Practical				2	1

	7	Post-harvest Management and Value Addition of Fruits and Vegetables	HORT 381	1	2(1+1)
		Practical		2	1
	8	Communication Skills and Personality Development	AEXT 391	1	2(1+1)
		PRACTICAL		2	1
	9	Agriculture Informatics	SMCA 301	1	2(1+1)
		Practical		2	1

SEMESTER-VII

S. No.	COURSE TITLE	COD E	SE M	CRED ITS	THEO RY	L A B
Se m VI I	Rural Agricultural Work Experience (RAW E) and Agro-Industrial Attachment (AIA)	<u>RA WE</u>	VI I			
	Crop Production			5	0	5
	Crop Protection			4	0	4
	Rural Economics			3	0	3
	Extension Programme			4	0	4
	Research Station / KVK /DAATT Centre activities and attachment to Agro based industries			4	0	4
				20		

SEMESTER-VIII

S.N o.	COURSE TITLE	CODE	SE M	CREDIT S	THEOR Y	LA B
1	AELP-Agriculture Experiential Learning Programme	AELP	VII I	20	0	20

Syllabus links:

ODD SEM

CLICK HERE FOR [ODD SEMESTER SYLLABUS](#)

EVEN SEM

[Click here for EVEN Semester Syllabus](#)

