

INDEX

SYLLABI OF B.SC.(AG.) SEMESTER SYSTEM 2012-13

S. No.	Department	Paper Code	Credit Hours	Title of the Course	Page No.
Semester - I					
1.	Agronomy		2 + 1 = 3	Principles of Agronomy	1
2.	Soil Science and Agril. Chemistry		2 + 1 = 3	Fundamentals of Soil Science	2
3.	Genetics and Plant Breeding		2 + 1 = 3	Elements of Genetics	3
4.	Horticulture		2 + 1 = 3	Fundamentals of Horticulture	4
5.	Soil and water conservation		2 + 1 = 3	Agricultural Meteorology	5
6.	Agril. Extension		2 + 1 = 3	Rural Sociology and Educational Psychology	6
7.	Agril. Statistics		2 + 1 = 3	Statistics and Applied Mathematics	7
8.	English		1 + 0 = 1	Structural and Spoken English	8
9.	Physical Education		0 + 1 = 1	Physical Education	8
Total Credit Hour			23		
Semester - II					
1.	Agril. Economics		2 + 1 = 3	Natural Resources and Farm Management	9-10
2.	Soil Science and Agril. Chemistry		2 + 1 = 3	Elementary Plant Bio-chemistry	11
3.	Agril. Engineering		2 + 1 = 3	Irrigation and Water Management	12
4.	Extension		2 + 1 = 3	Extension Education and Rural Development	13
5.	Genetics and Plant Breeding		2 + 1 = 3	Elementary Crop Physiology	14
6.	Plant Pathology		2 + 1 = 3	Elementary Microbiology	15
7.	Entomology		2 + 1 = 3	Introductory Entomology	16
8.	Agril. Statistics		2 + 1 = 3	Computer and its Application in Agriculture	17
Total Credit Hour			24		
Semester - III					
1.	Agronomy		2 + 1 = 3	Field Crops I	18
2.	Genetics and Plant Breeding		2 + 1 = 3	Principles of Plant Breeding	19
3.	Horticulture		2 + 1 = 3	Vegetable Crops Production	20
4.	Soil and Water Conservation		2 + 1 = 3	Principles and Methods of Soil and Water Conservation	21

5.	Agri. Engineering		2 + 1 = 3	Farm Power and Machinery	22
6.	Agri. Economics		2 + 1 = 3	Agricultural Marketing and Cooperation	23
7.	Plant Pathology		2 + 1 = 3	Introductory Plant Pathology	24
Total Credit Hour			21		
No.	Department	Course No.	Credit Hours	Title of the Course	Page No.
Semester - IV					
1.	Agronomy		2 + 1 = 3	Field Crops II	25
2.	Genetics and Plant Breeding		2 + 1 = 3	Breeding of Field Crops	26
3.	Horticulture		2 + 1 = 3	Fruits and Plantation Crops Production	27
4.	Entomology		2 + 1 = 3	Principles and Methods of Insect Pest Management	28
5.	Animal Husbandry and Dairying		2 + 1 = 3	Livestock Production and Management (Including Poultry)	29
6.	Animal Husbandry and Dairying		2 + 1 = 3	Health and Disease Management of Livestock (Including Poultry)	30
7.			2 + 1 = 3	Silviculture and Agro-social Forestry	31
Total Credit Hour			21		
Semester - V					
1.	Agronomy		2 + 1 = 3	Weeds and Weed Management	32
2.	Genetics and Plant Breeding		2 + 1 = 3	Introductory Plant Bio-technology	33
3.	Horticulture		2 + 1 = 3	Production Technology of Spices, Medicinal and Aromatic Plants	34
4.	Animal Husbandry and Dairying		2 + 1 = 3	Dairy Chemistry and Animal Nutrition	35
5.	Soil Science and Agri. Chemistry		2 + 1 = 3	Soil Fertility and Nutrient Management	36
6.	Entomology		2 + 1 = 3	Economic Entomology	37
7.	Plant Pathology		2 + 1 = 3	Crop Diseases AND Their Management	38
Total Credit Hour			21		
Semester - VI					
1.	Agronomy		2 + 1 = 3	Farming System and Sustainable Agriculture	39
2.	Genetics and Plant Breeding		2 + 1 = 3	Principles of Seed Technology	40
3.	Horticulture		2 + 1 = 3	Ornamental Horticulture	41
4.	Agri. Economics		2 + 1 = 3	Agricultural Finance and Business Management	42-43

5.	Animal Husbandry and Dairying		2 + 1 = 3	Milk Processing	44
6.	Agril. Engineering		2 + 1 = 3	Post-harvest Agricultural Engineering	45
7.	Plant Pathology		2 + 1 = 3	Elementary Nematology and Mushroom Cultivation	46
Total Credit Hour			21		
No.	Department	Course No.	Credit Hours	Title of the Course	Page No.
Semester - VII					
1.	Agronomy		2 + 1 = 3	Rain-fed Agriculture and Watershed Management	47
2.	Genetics and Plant Breeding		2 + 1 = 3	Environmental Science and Agro-ecology	48
3.	Soil Science and Agril. Chemistry		2 + 1 = 3	Management of Wasteland and Problematic Soil	49
4.	Horticulture		2 + 1 = 3	Post-harvest Management and Preservation of Fruits and Vegetables	50
5.	Agril. Extension		2 + 1 = 3	Communication and Extension System	51
6.	Entomology		2 + 1 = 3	Non-insect Pests, Pests of Farm animals and Plant Disease Vectors	52
7.	Animal Husbandry and Dairying		2 + 1 = 3	Dairy Products Technology	53
Total Credit Hour			21		
Semester - VIII					
1.	Agronomy		0 + 1 = 1	<p>1. <u>Rural awareness work experience (RAWE)</u>- focused on student's problem solving ability & acquisition of skills for entrepreneurs and self employment.</p> <p>2. <u>Voluntary educational tour programme</u>- of students under the supervision of Head of institution.</p>	54
2.	Genetics and Plant Breeding		0 + 1 = 1		
3.	Horticulture		0 + 1 = 1		
4.	Soil Science and Agril. Chemistry		0 + 1 = 1		
5.	Soil and Water Conservation		0 + 1 = 1		
6.	Agril. Engineering		0 + 1 = 1		
7.	Plant Pathology		0 + 1 = 1		
8.	Entomology		0 + 1 = 1		
9.	Animal Husbandry and Dairying		0 + 1 = 1		
10.	Agril. Extension		0 + 1 = 1		
11.	Agril. Economics		0 + 1 = 1		
12.	Agril. Statistics		0 + 1 = 1		
			12		
GRAND TOTAL (Credit Hr.)			164		