

## Semester wise courses layout of B.Sc (Agri.)

### Semester – I

Subject	Course No.	Title	Credits
Agronomy	AGRO-111	Principles of Agronomy	1+1=2
	AGRO-112	Agricultural Meteorology	1+1=2
	AGRO-113	Introductory Agriculture (Ancient heritage, agricultural scenario and gender equity in Agriculture)	1+0=1
Agri Botany	BOT-111	Environmental Science	1+1=2
Soil Science	SSAC-111	Introduction to Soil Science	2+1=3
Plant Pathology	PATH-111	Introductory Plant Pathology	1+1=2
Horticulture	HORT-111	Production Technology of Fruit Crops	2+1=3
Agricultural Extension	EXTN-111	Fundamentals of Rural Sociology and Educational Psychology	2+0=2
Animal Science and Dairy Science	ASDS-111	Livestock Production and Management	1+1=2
			<b>12+7=19</b>
English	LANG-111	Comprehension and Communication Skills in English	1+1=2(NC)
Mathematics	MATH – 111	Mathematics (Deficiency Course)	1+1=2 (NC)
Physical Education	PHY-EDN-111	Physical Education	0+1=1(NC)

**Semester – II**

<b>Subject</b>	<b>Course No</b>	<b>Title</b>	<b>Credits</b>
Agronomy	AGRO-124	Water Management including Micro-irrigation	2+1=3
Soil Science	SSAC-122	Soil Chemistry, Soil Fertility and Nutrient Management	2+1=3
Plant Pathology	MIBO-121	Agricultural Microbiology	2+1=3
Botany	BOT-122	Principles of genetics	2+1=3
Agricultural Economics	ECON-121	Principles of Agricultural Economics	2+0=2
Agricultural Extension	EXTN-122	Dimensions of Agricultural Extension	1+1=2
Agricultural Engineering	ENGG-121	Fundamentals of Soil and Water Conservation Engineering	1+1=2
Statistics	STAT-121	Statistics	1+1=2
			<b>13+7=20</b>
NSS/NCC	NSS/NCC-121	National Service Scheme/ National Cadet Corps	0+1=1(NC)

Subject	Course No.	Title	Credits
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**Semester III**

Agronomy	AGRO-235	Field Crops – (I) ( <i>Kharif</i> Crops)	2+1=3
	AGRO-236	Practical Crop Production (I) ( <i>Kharif</i> Crops)	0+1=1
Botany	BOT-233	Principles of Plant Breeding	2+1=3
	BOT-234	Crop Physiology	2+1=3
Plant Pathology	PATH-232	Principles of Plant Pathology	1+1=2
Entomology	ENT-231	Insect Morphology and Systematics	2+1=3
Horticulture	HORT-232	Production Technology of Vegetables and Flowers	1+1=2
Agricultural Engineering	ENGG-232	Introduction to Computer Applications	1+1=2
Agricultural Economics	ECON-232	Production Economics and Farm Management	1+1=2
			<b>12+9=21</b>

**Semester –IV**

<b>Subject</b>	<b>Course No</b>	<b>Title</b>	<b>Credits</b>
Agronomy	AGRO-247	Field Crops-(II) (Rabi Crops)	2+1=3
	AGRO-248	Crop Production (II) (Rabi Crops)	0+1=1
Botany	BOT- 245	Breeding of field and Horticultural crops	2+1=3
Soil Science	SSAC- 243	Manures,Fertilizers and Agrochemicals	2+1=3
Plant Pathology	PATH- 243	Diseases of Field Crops and their Management	2+1=3
Entomology	ENTO-242	Insect Ecology, Integrated Pest Management and Beneficial Insects	2+1=3
Horticulture	HORT-243	Production Technology of Spices, Aromatics, Medicinal and Plantation Crops .	1+1=2
Agricultural Economics	ECON- 243	Agricultural Finance &Co-operation.	1+1=2
Animal Science & Dairy Science	ASDS-242	Livestock Breeding and Nutrition.	1+1=2
			<b>13+9=22</b>

### Semester V

<b>Subject</b>	<b>Course No</b>	<b>Title</b>	<b>Credits</b>
<b>Agronomy</b>	AGRO-359	Weed Management	1+1=2
<b>Botany</b>	BOT-356	Principles of Plant Biotechnology	2+1=3
<b>Plant Pathology</b>	PATH-354	Diseases of Horticultural Crops and their Management	2+1=3
<b>Agricultural Economics</b>	ECON-354	Agricultural Marketing, Trade and Prices	1+1=2
<b>Agricultural Extension</b>	EXTN-353	Extension Methodologies for Transfer of Agricultural Technology	1+1=2
<b>Animal Science and Dairy Science</b>	ASDS-353	Technology of milk and milk Products.	1+1=2
<b>Agricultural Engineering</b>	ENGG-353	Farm Power and Machinery	1+1=2
<b>Entomology</b>	ENTO-353	Crop Pests and Stored Grain Pests and their Management	2+1=3
<b>Soil Science</b>	SSAC-354	Biochemistry	2+1=3
			<b>13+9=22</b>

### Semester-VI

<b>Subject</b>	<b>Course No</b>	<b>Title</b>	<b>Credits</b>
Agronomy	AGRO-3610	Farming systems and sustainable Agriculture	1+1=2
Agronomy	AGRO-3611	Organic and Rainfed farming	1+1=2
Botany	BOT-367	Principles of Seed Technology	2+1=3
Horticulture	HORT-364	Post-harvest Management and value Addition of Fruits and Vegetables.	1+1=2
Agricultural Economics	ECON-365	Agri-Business Management	1+1=2
Agricultural Extension	EXTN-364	Entrepreneurship Development and Communication Skills	1+1=2
Animal Science and Dairy Science	ASDS-364	Sheep & Goat production	1+1=2
Agricultural Engineering	ENGG-364	Protected Cultivation and Post-harvest Technology	1+1=2
Agricultural Entomology	ENTO-364	Introductory Nematology	1+1=2
			<b>10+9=19</b>

