Programme Structure – B.Sc. (Hons.) Agriculture

First Semester

S.No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA101B	Fundamentals of Horticulture	1	0	2	**2**
2.	A1UA102B	Fundamentals of Plant Biochemistry and Biotechnology	2	0	2	**3**
3.	A1UA205B	Fundamentals of Soil Science	2	0	2	**3**
4.	A1UA104B	Introduction to Forestry	1	0	2	**2**
5.	K1UC123B	Comprehension and Communication Skills in English	1	0	2	**2**
6.	A1UA105B	Fundamentals of Agronomy	3	0	2	**4**
7.	C2UD123B	Introductory Biology*	1	0	2	**2***
8.	C1UC121T	Elementary Mathematics*	2	0	0	**2***
9.	A1UA202T	Agricultural Heritage*	1	0	0	**1***
10.	K1UE121T	Rural Sociology & Educational Psychology	2	0	0	**2**
11.	A1UA106B	Introductory Animal Husbandry**	2	0	2	**3***
12.	K1UE122T	Human Values & Ethics **(Non gradial)**	1	0	0	**x**
13.	L1UB120L	Physical Education & Yoga Practices **(Non-gradial)**	0	0	4	**x**

*Remedial Courses   ** Minor

Second Semester

S.No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA201B	Fundamentals of Genetics	2	0	2	**3**
2.	A1UA202B	Agricultural Microbiology	1	0	2	**2**
3.	A1UA203B	Soil and Water Conservation Engineering	1	0	2	**2**
4.	A1UA204B	Fundamentals of Crop Physiology	1	0	2	**2**
5.	A1UA201T	Fundamentals of Agricultural Economics	2	0	0	**2**
6.	A1UA103B	Fundamentals of Plant Pathology	3	0	2	**4**
7.	A1UA206B	Fundamentals of Entomology	3	0	2	**4**
8.	A1UA207B	Fundamentals of Agricultural Extension Education	2	0	2	**3**
9.	K1UC220B	Communication Skills and Personality Development	1	0	2	**2**
10.	A1UA208B	Food Processing and Safety Issues**	2	0	2	**3***

** Minor

Third Semester

No.	Course Code	Title of the Course	L	T	P	Credit
1.	AGRI2001	Crop Production Technology – I (Kharif Crops)	1	0	2	**2**
2.	AGRI2002	Fundamentals of Plant Breeding	2	0	2	**3**
3.	AGRI2004	Agri- Informatics	1	0	2	**2**
4.	AGRI2005	Farm Machinery and Power	1	0	2	**2**
5.	AGRI2006	Production Technology for Vegetables and Spices	1	0	2	**2**
6.	AGRI2007	Environmental Studies and Disaster Management	2	0	2	**3**
7.	AGRI2008	Statistical Methods	1	0	2	**2**
8.	AGRI2009	Agricultural Finance and Cooperation	2	0	2	**3**
9.	AGRI2021	Livestock and Poultry Management	3	0	2	**4**
10.	AGRI2020	Fundamentals of Artificial Intelligence**	2	0	0	**2***

** Minor

Fourth Semester

No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA401B	Crop Production Technology –II (Rabi Crops)	1	0	2	**2**
2.	A1UA402B	Production Technology for Ornamental Crops, MAP and Landscaping	1	0	2	**2**
3.	A1UA403B	Renewable Energy and Green Technology	1	0	2	**2**
5.	A1UA404B	Production Technology for Fruit and Plantation Crops	1	0	2	**2**
6.	A1UA405B	Principles of Seed Technology	1	0	4	**3**
7.	A1UA402T	Farming System & Sustainable Agriculture	1	0	0	**1**
8.	A1UA406B	Agricultural Marketing Trade & Prices	2	0	2	**3**
9.	A1UA407B	Introductory Agro meteorology & Climate Change	1	0	2	**2**
4.	A1UA410B	Problematic Soils and their Management	2	0	0	**2**
10.		**Elective Course 3 Credits**				**3**

Fifth Semester

S.No.	Course Code	Title of the Course	L	T	P	Credit
1.	AGRI3001	Principles of Integrated Pest and Disease Management	2	0	2	**3**
2.	AGRI3002	Manures, Fertilizers and Soil Fertility Management	2	0	2	**3**
3.	AGRI3003	Pests of Crops and Stored Grain and their Management	2	0	2	**3**
3.	AGRI2003	Diseases of Field and Horticultural Crops and their Management – I	2	0	2	**3**
4.	AGRI3005	Crop Improvement-I (Kharif Crops)	1	0	2	**2**
5.	AGRI3006	Entrepreneurship Development and Business Communication	1	0	2	**2**
6.	AGRI3008	Practical Crop Production – I (Kharif crops)	0	0	4	**2**
7.	AGRI3009	Intellectual Property Rights	1	0	0	**1**
8.	AGRI3022	Geoinformatics and Nanotechnology and Precision Farming	1	0	2	**2**
9.		**Elective Course 3 Credits**				**3**

Sixth Semester

S.No.	Course Code	Title of the Course	L	T	P	Credit
1.	AGRI3011	Rainfed Agriculture & Watershed Management	1	0	2	**2**
2.	AGRI3012	Protected Cultivation and Secondary Agriculture	1	0	2	**2**
3.	AGRI3013	Diseases of Field and Horticultural Crops and their Management-II	2	0	2	**3**
4.	AGRI3014	Post-harvest Management and Value Addition of Fruits and Vegetables	1	0	2	**2**
5.	AGRI3015	Management of Beneficial Insects	1	0	2	**2**
6.	AGRI3016	Crop Improvement-II (Rabi crops)	0	0	4	**2**
7.	AGRI3017	Practical Crop Production –II (Rabi crops)	0	0	4	**2**
8.	AGRI3018	Principles of Organic Farming	1	0	2	**2**
9.	AGRI3019	Farm Management, Production & Resource Economics	1	0	2	**2**
10.	AGRI3020	Principles of Food Science and Nutrition	2	0	0	**2**
11.		**Elective Course 3 credits**				**3**
13.	AGRI3024	Educational Tour (**Non-gradial**)	0	0	4	**x**

Seventh Semester

S.No.	Course Code	Title of the Course	No. of Weeks	Credit Hours
1.	AGRI4001	Rural Agricultural Work Experience and Agro-Industrial Attachment	20	20
		Activities		
1.		General orientation & On campus training by different faculties	1	**14**
2.		Village attachment	8	
3.		Unit attachment in Univ./ KVK/ Research Station/Agro-Industrial Attachment	5	
4.		Plant clinic	2	**2**
5.		Agro-Industrial Attachment	3	**3**
6.		Project Report Preparation, Presentation and Evaluation	1	**1**

Eighth Semester

Module for Skill Development and Entrepreneurship: A student has to register 20 credits opting for two modules of (0+10) credits each (total 20 credits) from the package of modules in the VIII Semester.

S.No.	Course Code	Title of the Course	L	T	P	Credit
1.	AGRI4007	Mushroom Cultivation Technology	0	0	20	10
2.	AGRI4008	Seed Production and Technology	0	0	20	10
3.	AGRI4009	Production Technology for Bioagents and Biofertilizer	0	0	20	10
4.	AGRI4010	Soil, Plant, Water and Seed Testing	0	0	20	10
5.	AGRI4011	Commercial Beekeeping	0	0	20	10
6.	AGRI4012	Poultry Production Technology	0	0	20	10

S.No.	Course Code	Title of the Course				
7.	AGRI4013	Commercial Horticulture	0	0	20	10
8.	AGRI4014	Floriculture and Landscaping	0	0	20	10
9.	AGRI4015	Food Processing	0	0	20	10
10.	AGRI4016	Agriculture Waste Management	0	0	20	10
11.	AGRI4017	Organic Production Technology	0	0	20	10
12.	AGRI4018	Commercial Sericulture	0	0	20	10

Electives Courses

A student can select three elective courses during 4th, 5th, 6th Sem of B.Sc. (Hons.) Agriculture out of 12 courses

S.No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA408B	Agribusiness Management	2	0	2	3
2.	AGRI2025	Agrochemicals	2	0	2	3
3.	AGRI2026	Commercial Plant Breeding	1	0	4	3
4.	AGRI2027	Landscaping	2	0	2	3
5.	AGRI2028	Food Safety and Standards	2	0	2	3
6.	AGRI2029	Bio-pesticides & Biofertilizers	2	0	2	3
7.	AGRI3028	Protected Cultivation	2	0	2	3
8.	AGRI3025	Micro propagation Technologies	1	0	4	3
9.	AGRI3026	Hi-tech. Horticulture	2	0	2	3
10.	AGRI3027	Weed Management	2	0	2	3
11.	AGRI3021	System Simulation and Agro-advisory	2	0	2	3
12.	AGRI3010	Agricultural Journalism	2	0	2	3

List of Minor Courses

S.No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA106B	Introductory Animal Husbandry	2	0	2	3
2.	A1UA208B	Food Processing and Safety Issues	2	0	2	3
3.	AGRI2020	Fundamentals of Artificial Intelligence	2	0	0	2