

School Name: School of Agriculture
Programme Name: B.SC. (HONS.) AGRICULTURE
Scheme: 2018-2022

I – SEMESTER

S. No.	New code	Course Title (Theory)	L	T	P	C
1.	AGR1001	Fundamentals of Horticulture	1	0	0	1
2.	AGR1002	Fundamentals of Horticulture- Lab	0	0	2	1
3.	BIO1001	Fundamentals of Plant Biochemistry and Biotechnology	2	0	0	2
4.	BIO1002	Fundamentals of Plant Biochemistry and Biotechnology - Lab	0	0	2	1
5.	AGR1003	Fundamentals of Plant Pathology	3	0	0	3
6.	AGR1004	Fundamentals of Plant Pathology-Lab	0	0	2	1
7.	AGR1005	Introduction to Forestry	1	0	0	1
8.	AGR1006	Introduction to Forestry-Lab	0	0	2	1
9.	ENG1150	Comprehension and Communication Skills in English	1	0	0	1
10.	ENG1151	Comprehension and Communication Skills in English-Lab	0	0	2	1
11.	AGR1007	Fundamentals of Agronomy	3	0	0	3
12.	AGR1008	Fundamentals of Agronomy-Lab	0	0	2	1
13.	AGR1009	*Introductory Biology	1	0	0	1
14.	AGR1010	*Introductory Biology-Lab	0	0	2	1
15.	MAT1009	* Elementary Mathematics	2	0	0	2
16.	AGR1011	Rural Sociology and Educational Psychology	2	0	0	2
17.	AGR1012	**Human Values and Ethics	1	0	0	1
18.	AGR1013	**Physical Education and Yoga Practices	0	0	4	2
Total: **Non Gradual			17	0	18	26

II – SEMESTER

S. No.	New Course Code	Course Title	L	T	P	C
1.	BIO1003	Fundamentals of Genetics	2	0	0	2
2.	BIO1004	Fundamentals of Genetics -Lab	0	0	2	1
3.	BIO1005	Agricultural Microbiology	1	0	0	1
4.	BIO1006	Agricultural Microbiology -Lab	0	0	2	1
5.	AGR1014	Soil and Water Conservation Engineering	1	0	0	1
6.	AGR1015	Soil and Water Conservation Engineering -Lab	0	0	2	1
7.	AGR1016	Fundamentals of Crop Physiology	2	0	0	2
8.	AGR1017	Fundamentals of Crop Physiology-Lab	0	0	2	1
9.	AGE1011	Fundamentals of Agricultural Economics	2	0	0	2
10.	AGR1018	Fundamentals of Soil Science	2	0	0	2
11.	AGR1019	Fundamentals of Soil Science-Lab	0	0	2	1
12.	AGR1020	Fundamentals of Entomology	3	0	0	3
13.	AGR1021	Fundamentals of Entomology-Lab	0	0	2	1
14.	AGS1014	Fundamentals of Agricultural Extension Education	2	0	0	2

15.	AGS1015	Fundamentals of Agricultural Extension Education-Lab	0	0	2	1
16.	SLA1011	Communication Skills and Personality Development	1	0	0	1
17.	SLA1012	Communication Skills and Personality Development-Lab	0	0	2	1
18.	AGR1022	*Agriculture Heritage	1	0	0	1
Total			17	0	16	25

III - SEMESTER

S. No.	Course Code	Course Title	L	T	P	C
1.	AGRI2001	Crop Production Technology - I (<i>Kharif</i> Crops)	1	0	2	2
2.	AGRI2002	Fundamentals of Plant Breeding	2	0	2	3
3.	AGRI2003	Diseases of Field and Horticultural Crops and their Management – I	2	0	2	3
4.	AGRI2004	Agri- Informatics	1	0	2	2
5.	AGRI2005	Farm Machinery and Power	1	0	2	2
6.	AGRI2006	Production Technology for Vegetables and Spices	1	0	2	2
7.	AGRI2007	Environmental Studies and Disaster Management	2	0	2	3
8.	AGRI2008	Statistical Methods	1	0	2	2
9.	AGRI2009	Agricultural Finance and Co-operation	2	0	2	3
Total:			13	0	18	22

IV- SEMESTER

S. No.	Course Code	Course Title	L	T	P	C
1.	AGRI2010	Crop Production Technology - II (<i>Rabi</i> Crops)	1	0	2	2
2.	AGRI2011	Production Technology for Ornamental Crops, MAP and Landscaping	1	0	2	2
3.	AGRI2012	Renewable Energy and Green Technology	1	0	2	2
4.	AGRI2013	Problematic Soils and their Management	2	0	0	2
5.	AGRI2014	Production Technology for Fruit and Plantation Crops	1	0	2	2
6.	AGRI2015	Principles of Seed Technology	1	0	2	2
7.	AGRI2016	Farming System & Sustainable Agriculture	1	0	0	1
8.	AGRI2017	Agricultural Marketing Trade & Prices	2	0	2	3
9.	AGRI2018	Introductory Agro-meteorology & Climate Change	1	0	2	2
10.	AGRI2019	*Elective Course	2	0	2	3
Total:			13	0	16	18+3*

V - SEMESTER

S. No.	Course Code	Course Title	L	T	P	C
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, Stored Grain and their Management	2	0	2	3

4.	AGRI3004	Livestock and Poultry Management	3	0	2	4
5.	AGRI3005	Crop Improvement - I (Kharif Crops)	1	0	2	2
6.	AGRI3006	Entrepreneurship Development and Business Communication	1	0	2	2
7.	AGRI3007	Geoinformatics and Nano - technology and Precision Farming	1	0	2	2
8.	AGRI3008	Practical Crop Production - I (Kharif crops)	0	0	4	2
9.	AGRI3009	Intellectual Property Rights	1	0	0	1
10.	AGRI3010	Agricultural Journalism	2	0	2	3
Total:			15	0	20	22+3*

VI - Semester

S. No.	Course Code	Course Title	L	T	P	C
1.	AGRI3011	Rain-fed 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)	1	0	2	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.	AGRI3021	*Elective Course	2	0	2	3
Total:			14	0	20	21+3*

VII - SEMESTER

Rural Agricultural Work Experience and Agro-Industrial Attachment (RAW & AIA)

S. No.	Course Code	Course Title	Week	L	T	P	C
1.	AGRI4001	General orientation & On campus training by different Faculties	1	0	0	2	1
2.	AGRI4002	Village attachment	8	0	0	16	8
3.	AGRI4003	Unit attachment in Univ./ KVK/ Research Station/Agro-Industrial Attachment	5	0	0	10	5
4.	AGRI4004	Plant clinic	2	0	0	4	2
5.	AGRI4005	Agro-Industrial Attachment	3	0	0	6	3
6.	AGRI4006	Project Report Preparation, Presentation and Evaluation	1	0	0	2	1
7.	Total weeks and credit for RAW & AIA		20	0	0	40	20

VIII - SEMESTER

S. No.	Course Code	Title of the module	Number of weeks	L	T	P	C
1.	AGRI4007	Mushroom Cultivation Technology	12	0	0	20	10
2.	AGRI4008	Seed Production Technology	12	0	0	20	10
Total weeks and Credits			24	0	0	40	20

ELECTIVE COURSES:

A student can select three elective courses out of the following and offer during 4th, 5th and 6th semesters.

S. No.	Courses	Subject Codes	Credit Hours
1.	Agribusiness Management	AGRI2019	3(2+1)
2.	Agrochemicals	AGRI2025	3(2+1)
3.	Commercial Plant Breeding	AGRI2026	3(2+1)
4.	Landscaping	AGRI2027	3(2+1)
5.	Food Safety and Standards	AGRI2028	3(2+1)
6.	Bio pesticides & Bio fertilizers	AGRI2029	3(2+1)
7.	Protected Cultivation	AGRI3028	3(2+1)
8.	Micro propagation Technologies	AGRI3025	3(2+1)
9.	Hi-tech. Horticulture	AGRI3026	3(2+1)
10.	Weed Management	AGRI3027	3(2+1)
11.	System Simulation and Agro-advisory	AGRI3021	3(2+1)
12.	Agricultural Journalism	AGRI3010	3(2+1)