



Starex University, Gurugram

School of Agriculture Science
Programme: B.Sc. (H) Agriculture
Scheme of Examination: 1st Semester/ 1st Year (w.e.f. 2024-25)

S.No	Subject Nomenclature	Theory Examinations			Practical Examinations				Total Marks	Teaching Scheme
		Theory (External)	IA+Assgnt		Demons	viva	Lab	Max. Marks		
1	Fundamentals of Agronomy	50	30+5	35	5	5	5	15	100	4 (3+1)
2	Introduction to Forestry	50	30+5	35	5	5	5	15	100	2 (1+1)
3	Fundamentals of Plant Biochemistry and Biotechnology	50	30+5	35	5	5	5	15	100	3 (2+1)
4	Fundamentals of Soil Science	50	30+5	35	5	5	5	15	100	3 (2+1)
5	Fundamentals of Horticulture	50	30+5	35	5	5	5	15	100	2 (1+1)
6	Comprehension & Communication Skills in English	50	30+5	35	5	5	5	15	100	2 (1+1)
7	Introductory Biology*	50	30+5	35	5	5	5	15	100	2 (1+1)
8	Elementary Mathematics*	50	40+10	50				-	100	2 (2+0)
9	Rural Sociology & Educational Psychology	50	40+10	50				-	100	2 (2+0)
10	Human values and Ethics (Non Gradiual)**	50	40+10	50				...	100	1(1+0)**
11	NSS/NCC/Physical Education & Yoga Practices (Non Gradiual)**					100	100	2(0+2)**
12	Environmental Sciences	50	...		AECC				50	2 (2+0)
13	Constitutional Values and Fundamental Duties	30	10	10	VAC				50	2 (1+1)
Total									1200	29(19+10)

School of Agriculture Science
Programme: B.Sc. (H) Agriculture
Scheme of Examination: 2nd Semester/ 1st Year (w.e.f. 2024-25)

S.No	Subject Nomenclature	Theory Examinations			Practical Examinations				Total Marks	Teaching Scheme
		Theory (Ext)	IA+Assgnt		Demons	viva	Lab	Max. Marks		
1	Principles of Genetics	50	30+5	35	5	5	5	15	100	3 (2+1)
2	Agricultural Microbiology	50	30+5	35	5	5	5	15	100	2 (1+1)
3	Soil and Water Conservation Engineering	50	30+5	35	5	5	5	15	100	2 (1+1)
4	Fundamentals of Crop Physiology	50	30+5	35	5	5	5	15	100	2 (1+1)
5	Fundamentals of Agricultural Economics	50	40+10	50					100	2 (2+0)
6	Fundamentals of Plant Pathology	50	30+5	35	5	5	5	15	100	4 (3+1)
7	Fundamentals of Entomology	50	30+5	35	5	5	5	15	100	3 (2+1)
8	Fundamentals of Agricultural Extension Education	50	30+5	35	5	5	5	15	100	3 (2+1)
9	Communication Skills and Personality Development	50	30+5	35	5	5	5	15	100	2 (1+1)
10	Agricultural Heritage*	50	40+10	50				...	100	1 (1+0)
								
Total									1000	24(16+8)

School of Agriculture Science
Programme: B.Sc. (H) Agriculture
Scheme of Examination: 3rd Semester/ 2nd Year (w.e.f. 2024-25)

S.No	Subject Nomenclature	Theory Examinations			Practical Examinations				Total Marks	Teaching Scheme
		Theory (Ext)	IA+Assgnt		Demons	viva	Lab	Max. Marks		
1	Crop Production Technology – I (Kharif Crops)	50	30+5	35	5	5	5	15	100	2 (1+1)
2	Fundamentals of Plant Breeding	50	30+5	35	5	5	5	15	100	3 (2+1)
3	Agriculture Finance and Cooperation	50	30+5	35	5	5	5	15	100	3 (2+1)
4	Agricultural- Informatics	50	30+5	35	5	5	5	15	100	2 (1+1)
5	Farm Machinery and Power	50	30+5	35	5	5	5	15	100	2 (1+1)
6	Production Technology for Vegetables and Spices	50	30+5	35	5	5	5	15	100	2 (1+1)
7	Principles of Integrated Disease Management	50	30+5	35	5	5	5	15	100	2 (1+1)
8	Statistical Methods	50	40+10	50				-	100	2 (1+1)
9	Livestock and Poultry Management	50	30+5	35	5	5	5	15	100	4 (3+1)
Total									900	22(13+9)

School of Agriculture Science
Programme: B.Sc. (H) Agriculture
Scheme of Examination: 4th Semester/ 2nd Year (w.e.f. 2024-25)

S.No	Subject Nomenclature	Theory Examinations			Practical Examinations				Total Marks	Teaching Scheme
		Theory (Ext)	IA+Assgnt		Demons	viva	Lab	Max. Marks		
1	Crop Production Technology –II (<i>Rabi Crops</i>)	50	30+5	35	5	5	5	15	100	2 (1+1)
2	Production Technology for Ornamental Crops, MAP and Landscaping	50	30+5	35	5	5	5	15	100	2 (1+1)
3	Renewable Energy and Green Technology	50	30+5	35	5	5	5	15	100	2 (1+1)
4	Problematic Soils and their Management	50	40+10	50					100	2 (2+0)
5	Production Technology for Fruit and Plantation Crops	50	30+5	50	5	5	5	15	100	2 (1+1)
6	Principles of Seed Technology	50	30+5	35	5	5	5	15	100	3 (2+1)
7	Farming System & Sustainable Agriculture	50	40+10	50					100	1 (1+0)
8	Agricultural Marketing Trade & Prices	50	30+5	35	5	5	5	15	100	3 (2+1)
9	Introductory Agro-meteorology & Climate Change	50	30+5	35	5	5	5	15	100	2 (1+1)
10	Insect Ecology and Pest Management	50	30+5	35	5	5	5	15	100	3 (2+1)
11	Elective Course* Landscaping/ Protected cultivation / Hi- tech Horticulture / Micro propagation Technology (Choose any one)	50	30+5	35	5	5	5	15	100	3(2+1)
Total									1100	25(16+9)

School of Agriculture Science
Programme: B.Sc. (H) Agriculture
Scheme of Examination: 5th Semester/ 3rd Year (w.e.f. 2024-25)

S.No	Subject Nomenclature	Theory Examinations			Practical Examinations				Total Marks	Teaching Scheme
		Theory (Ext)	IA+Assgnt		Demons	viva	Lab	Max. Marks		
1	Manures, Fertilizers and Soil Fertility Management	50	30+5	35	5	5	5	15	100	3 (2+1)
2	Pests of Crops and Stored Grain and their Management	50	30+5	35	5	5	5	15	100	3 (2+1)
3	Diseases of Field and Horticultural Crops and their Management- I	50	30+5	35	5	5	5	15	100	3 (2+1)
4	Crop Improvement-I (<i>Kharif Crops</i>)	50	30+5	35	5	5	5	15	100	2 (1+1)
5	Entrepreneurship Development and Business Communication	50	30+5	35	5	5	5	15	100	2 (1+1)
6	Geoinformatics and Nano-technology and Precision Farming	50	30+5	35	5	5	5	15	100	2 (1+1)
7	Practical Crop Production – I (<i>Kharif</i> crops)				50	20	30	100	100	2 (0+2)
8	Intellectual Property Rights	50	40+10	50					100	1 (1+0)
9	Principles of Food Science and Nutrition	50	40+10	50				...	100	2 (2+0)
10	Elective Course* Weed management / Biopesticides & Biofertilizers / Agrochemicals / System Simulation & agro advisory (Select any one)	50	30+5	35	5	5	5	15	100	3(2+1)
	Total						1000	23(14+9)

School of Agriculture Science
Programme: B.Sc. (H) Agriculture
Scheme of Examination: 6th Semester/ 3rd Year (w.e.f. 2024-25)

S.No	Subject Nomenclature	Theory Examinations			Practical Examinations				Total Marks	Teaching Scheme
		Theory (Ext)	IA+Assgnt		Demons	viva	Lab	Max. Marks		
1	Rainfed Agriculture & Watershed Management	50	30+5	35	5	5	5	15	100	2 (1+1)
2	Protected Cultivation and Secondary Agriculture	50	30+5	35	5	5	5	15	100	2 (1+1)
3	Diseases of Field and Horticultural Crops and their Management-II	50	30+5	35	5	5	5	15	100	3 (2+1)
4	Post-harvest Management and Value Addition of Fruits and Vegetables	50	30+5	35	5	5	5	15	100	2 (1+1)
5	Management of Beneficial Insects	50	30+5	35	5	5	5	15	100	2 (1+1)
6	Crop Improvement-II (<i>Rabi crops</i>)	50	30+5	35	5	5	5	15	100	2 (1+1)
7	Practical Crop Production –II (<i>Rabi crops</i>)				50	20	30	100	100	2 (0+2)
8	Principles of Organic Farming	50	30+5	35	5	5	5	15	100	2 (1+1)
9	Farm Management, Production & Resource Economics	50	30+5	35	5	5	5	15	100	2 (1+1)
10	Elective Course* Agri- business Management / Commercial Plant Breeding / Food Safety Standards/Agricultural Journalism . (Select any one)	50	30+5	35	5	5	5	15	100	3(2+1)
Total									1000	22(11+11)

School of Agriculture Science
Programme: B.Sc. (H) Agriculture
Scheme of Examination: 7th Semester/ 4th Year (w.e.f. 2024-25)
Rural Agricultural Work Experience (RAWE) - Course Credits: 20(0+20)

No.	Rural Agricultural Work Experience and Agro-industrial Attachment (RAWE &AIA)		
	Activities	No. of weeks	Credits
1.	General orientation & on campus training by different faculties	1	14
2.	Village attachment	8	
	Unit attachment in Univ./ College. KVK/ Research Station attachment	5	
3.	Plant clinic	2	2
4.	Agro-industrial attachment	3	4
5.	Project report preparation, presentation and evaluation	1	
Total weeks for RAWE & AIA		20	20

Agro- Industrial Attachment: The students would be attached with the agro-industries for a period of 3 weeks to get an experience of the industrial environment and working.

RAWE Component-I Village Attachment Training Programme

Sr. No.	Activity	Duration
1.	Orientation and Survey of Village	1 week
2.	Agronomical Interventions	1 week
3.	Plant Protection Interventions	1 week
4.	Soil Improvement Interventions (Soil sampling and testing)	1 week
5.	Fruit and Vegetable Production Interventions	1 week
6.	Food Processing and Storage Interventions	1 week
7.	Animal Production Interventions	1 week
8.	Extension and Transfer of Technology activities	1 week

RAWE Component –II Agro Industrial Attachment

* Students shall be placed in Agro-and Cottage industries and Commodities Boards for 03 weeks.

* Industries include Seed/Sapling production, Pesticides-insecticides, Post harvest-processing value addition, Agri-finance institutions, etc

Activities and Tasks during Agro-Industrial Attachment Programme

- Acquaintance with industry and staff
- Study of structure, functioning, objective and mandates of the industry
- Study of various processing units and hands-on trainings under supervision of industry staff
- Ethics of industry
- Employment generated by the industry
- Contribution of the industry promoting environment
- Learning business network including outlets of the industry
- Skill development in all crucial tasks of the industry
- Documentation of the activities and task performed by the students
- Performance evaluation, appraisal and ranking of students

School of Agriculture Science
Programme: B.Sc. (H) Agriculture
Scheme of Examination: 8th Semester/ 4th Year (w.e.f. 2024-25)
Modules 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.

Sr. No.	Nomenclature of the module	Credits	Practical	Total mark
1.	Production Technology for Bioagents and Biofertilizers	0+10	Practical	100
2.	Seed Production and Technology	0+10	Practical	100
3.	Mushroom Cultivation Technology	0+10	Practical	100
4.	Soil, Plant, Water and Seed Testing	0+10	Practical	100
5.	Commercial Beekeeping	0+10	Practical	100
6.	Poultry Production Technology	0+10	Practical	100
7.	Commercial Horticulture	0+10	Practical	100
8.	Floriculture and Landscaping	0+10	Practical	100
9.	Food Processing	0+10	Practical	100
10.	Agriculture Waste Management	0+10	Practical	100
11.	Organic Production Technology	0+10	Practical	100
12.	Commercial Sericulture	0+10	Practical	100
13.	Commercial sericulture	0+10	Practical	100
14.	Audio video Aids & Agro- informaticss	0+10	Practical	100
15.	Water Harvesting	0+10	Practical	100
16.	Drone Technology	0+10	Practical	100
17.	Protected Cultivation Hi-Tech	0+10	Practical	100
18.	Artificial insemination in animals	0+10	Practical	100
19.	Dairy farm and their product	0+10	Practical	100

Note: In addition to above ELP modules other important modules may be given to the students by SAUs.

Evaluation of Experiential Learning Programme (ELP)

Sr. No	Parameters	Max. Marks
1.	Project Planning and Writing	10
2.	Presentation	10
3.	Regularity	10
4.	Monthly Assessment	10
5.	Output Delivery	10
6.	Technical Skill Development	10
7.	Entrepreneurship Skills	10
8.	Business Networking Skills	10
9.	Report Writing Skills	10
10.	Final Presentation	10
	Total	10