B.Sc. (Hons.) Horticulture - 2018-2022 & 2019-23 Batches
REVISED CURRICULUM

I Year: Semester I

Sl. No.	Course Code	Name of the Course	Credits
1	**18HO1001**	Fundamentals of Horticulture	3(2+1)
2	**18HO1002**	Growth and Development of Horticultural Crops	**3(2+1)**
3	**18AG1003**	**Introductory Agricultural Meteorology and Climate Change**	**2(1+1)**
4	**18AG1004**	Fundamentals of Plant Biochemistry	3(2+1)
5	**18AG1005**	Agricultural Microbiology	3(2+1)
6	**18AG1008**	Principles of Genetics and Cytogenetics	**3(2+1)**
7	**18AG1009**	Fundamentals of Crop Physiology	3(2+1)
8	**18EN2001**	**Communication Skills and Personality development**	**2(1+1)**
9	16VE2001	Value Education	2(0+2)
		NSS/NCC	1(0+1)(NC)*
		Total Credits	**24(14+10) +1 NC**

***Non gradal (Non-academic) course**

I Year: Semester II

Sl. No.	Course Code	Name of the Course	Credits
1	**18HO1003**	**Propagation and Nursery Management for Horticultural Crops**	3(2+1)
2	**18HO1004**	**Production Technology of** Tropical and Subtropical Fruits	3(2+1)
3	**18HO1005**	**Production Technology of** Tropical and Subtropical Vegetables	3(2+1)
4	**18HO1006**	Irrigation and Weed Management in Horticultural Crops	3(2+1)
5	**18AG1013**	Fundamentals of Soil Science	3(2+1)
6	**18AG2001**	**Principles of Plant Breeding**	3(2+1)
7	**18MA2001**	Foundations of Mathematics and Statistics	3(3+0)
8	**18CS1001**	Information and Communication Technology	2(1+1)
9	**18AG1010**	Fundamentals of Plant Pathology	**3(2+1)**
		Physical and Health Education	1(0+1) (NC)*
		Total Credits	**26(18+8)+1NC**

***Non gradal (Non-academic) course**

II Year: Semester III

Sl. No.	Course Code	Name of the Course	Credits
1	**18HO2001**	Commercial Floriculture	**3(2+1)**
2	**18HO2002**	**Production Technology of** Spices and Plantation Crops	**3(2+1)**
3	**18HO2003**	Precision Farming and Protected Cultivation	**3(2+1)**
4	**18HO2004**	Diseases of Fruit, Plantation, Medicinal and Aromatic Crops	**3(2+1)**
5	**18HO2005**	Soil Fertility and Nutrient Management	**2(1+1)**
6	**18AG1011**	Fundamentals of Entomology	3(2+1)
7	**18AG2015**	Environmental Studies and Disaster Management	3(2+1)

8	**18AG2035**	**Principles of Food Sciences and Nutrition**	**2(1+1)**
9	**18CS2001**	Basics of Computer Programming	4(3+1)
		Total Credits	**26(17+9)**

II Year: Semester IV

Sl. No.	Course Code	Name of the Course	Credits
1	**18HO2006**	**Production Technology of** Temperate Vegetable Crops	**2(1+1)**
2	**18HO2007**	**Production Technology of Temperate Fruit Crops**	**2(1+1)**
3	**18HO2008**	**Production Technology of Medicinal and Aromatic Crops**	**3(2+1)**
4	**18HO2009**	Breeding of Vegetables, **Medicinal and Aromatic Crops**	**4(3+1)**
5	**18HO2010**	Diseases of Vegetables, Flowers, Ornamentals and Spice Crops	**3(2+1)**
6	**18HO2012**	**Study Tour – I**	**1(0+1)**
7	**18AG1016**	Introductory Agroforestry	**2(1+1)**
8	**18AG2005**	Livestock and Poultry management	**4(3+1)**
9	**18AT2034**	**Farm Machinery and Power**	**2(1+1)**
		Total Credits	**23(14+ 9)**

III Year: Semester V

Sl. No.	Course Code	Name of the Course	Credits
1	**18HO2013**	Principles of Ornamental Horticulture and Landscape Architecture	**3(2+1)**
2	**18HO2014**	Dryland Horticulture	**3(2+1)**
3	**18HO2015**	Breeding of Fruits and Plantation Crops	**3(2+1)**
4	**18HO2016**	Seed Production of Vegetable, Tuber and Spice Crops	**3(2+1)**
5	**18HO2017**	Insect Pests of Vegetable, Ornamental and Spice Crops	**3(2+1)**
6	**18HO2018**	Introduction to Major Field Crops	**2(1+1)**
7	**18HO2019**	Economics and Marketing	3(2+1)
8	**18AG2025**	Entrepreneurship Development and Business Management	**2(1+1)**
9	**18AG2029**	Principles of Organic farming	**2(1+1)**
10	**18MA2002**	Design and Analysis of Experiments	**2(1+ 1Tutorial +0)**
		Total Credits	**26 (16+ 1Tutorial +10)**

III Year: Semester V

Sl. No.	Course Code	Name of the Course	Credits
1	**18HO2011**	Insect Pests of Fruit, Plantation, Medicinal & Aromatic Crops	**3(2+1)**
2	**18HO2020**	Horti-Business Management	**2(2+0)**
3	**18HO2021**	Post-harvest Management and Processing of Horticultural Crops	**4(2+2)**
4	**18HO2022**	Breeding and Seed Production of Flower and Ornamental Plants	3(2+1)
5	**18HO2023**	Nematode Pests of Horticultural Crops and their Management	**2(1+1)**
6	**18HO2024**	Apiculture, Sericulture and Lac Culture	**2(1+1)**
7	**18HO2025**	Study tour - II	**1(0+1)**
8	**18AG1014**	Fundamentals of Agricultural Extension Education	**3(2+1)**
9	**18AG2011**	**Principles of Seed Technology**	**2(1+1)**
10	**18AG2014**	**Introduction to Biotechnology**	**2(1+1)**

11	**18AG2026**	Intellectual Property Rights	**1(1+0)**
		Total Credits	**25(15+10)**

IV Year: Semester VII

RURAL HORTICULTURAL WORK EXPERIENCE PROGRAMME

Sl. No.	Course Code	Name of the Course	Credits
1	**20HO2019**	Rural Horticultural Work Experience (RHWE)	**20(0+20)**
		Total Credits	**20 (0+20)**

IV Year Semester: VIII

Sl. No.	Course Code	Name of the Course	Credits
1	**20AG2002**	Experiential Learning Programme (ELP) (Module I and II)	**20(0+20)**
		TOTAL	**20(0+20)**

EXPERIENTIAL LEARNING PROGRAMME

List of Modules

ELP Module No.	ELP Title
ELP01	Seed Production and Technology
ELP02	Soil, Plant and Water Testing
ELP05	Organic Production Technology
ELP09	Floriculture and Landscaping
ELP12	Nursery Management and Protected Cultivation
ELP13	Production Technology Bio agents and Bio fertilizer
ELP14	Mushroom Cultivation
ELP15	Bee Keeping
ELP17	Agribusiness Management
ELP19	Agricultural Information Support Services
ELP22	Poultry Production Technology

ABSTRACT

Semester wise distribution of courses for B.Sc. (Hons.) Horticulture

Semester	Number of Courses	Credit Hours
1	10	24 (14 + 10) +1NC
2	**10**	26 (18 +8) +1NC
3	**9**	26 (17+9)
4	**9**	26(16+10)
5	**10**	26(16+1 Tutorial+9)
6	**11**	23 (13+10)
7	**1**	**20(0+20)**
8	**1**	**20(0+20)**
Total	**61**	**190 (94+1 Tutorial +95) + 2NC**