

**B.Sc. (Hons) Horticulture - 2020-2024 Batch  
CURRICULUM**

**I Year: Semester I**

S.No	Course Code	Title of the Course	Credits
1.	20HO1009	Elementary Plant Biochemistry	2(1+1)
2.	20HO1011	Introductory Crop Physiology	2(1+1)
3.	18HO1001	Fundamentals of Horticulture	3(2+1)
4.	18AG1008	Principles of Genetics and Cytogenetics	3(2+1)
5.	20HO1012	Introductory Microbiology	2(1+1)
6.	20EN2001	Comprehension and Communication Skills in English	2(1+1)
7.	20MA1008	Elementary Statistics and Computer Application	3(2+1)
8.	20HO1005	Fundamentals of Soil Science	2(1+1)
9.	20HO1008	Economics and Marketing	3(2+1)
10.	20HO1004	Principles of Landscape Architecture	2(1+1)
11.	20AG1010	Human Values & Ethics (non gradial)	1(1+0)*
12.	20AG1011	National Service Scheme/National Cadet Corp ( NC)*	1 (0+1)
		<b>Total</b>	<b>24(14+10)+2NC</b>

\*Non gradial(Non academic) course

**I Year: Semester II**

S.No	Course Code	Title of the Course	Credits
1	20HO2001	Tropical and Subtropical Fruits	3(2+1)
2	20HO2006	Tropical and Subtropical Vegetables	3(2+1)
3	18AG2001	Principles of Plant Breeding	3(2+1)
4	20HO1006	Water Management in Horticultural Crops	2(1+1)
5	20HO1001	Plant Propagation and Nursery Management	2(1+1)
6	18AG2015	Environmental Studies and Disaster Management	3(2+1)
7	18HO1002	Growth and Development of Horticultural Crops	2(1+1)
8	20HO2015	Soil Fertility and Nutrient Management	2(1+1)
9	20AG1012	Physical and Health Education (NC)*	1(0+1)
10	18CS1001	Information and communication technology* (NC)*	2(1+1)
		<b>Total 23(13+10)</b>	<b>20(12+8)+3NC</b>

\*Non gradial (Non academic) course

**II Year: Semester III**

S.No	Course Code	Title of the Course	Credits
1	18AG1011	Fundamentals of Entomology	3(2+1)
2	18HO2004	Diseases of fruit, Plantation, Medicinal and Aromatic Crops	3(2+1)
3	18HO2001	Commercial Floriculture	3(2+1)
4	20HO1003	Fundamentals of Food Technology	2(1+1)
5	18HO2023	Nematode pests of horticultural crops and their Management	2(1+1)
6	20HO2009	Temperate Vegetable Crops	2(1+1)
7	20HO2004	Temperate Fruit Crops	2(1+1)
8	20HO1002	Weed Management in Horticultural Crops	2(1+1)
9	20HO1010	Elementary Plant Biotechnology	2(1+1)
10	18AG1010	Fundamentals of Plant Pathology	3(2+1)
		<b>Total</b>	<b>24( 14+10)</b>

**II Year: Semester IV**

S.No	Code	Title of the Course	Credits
1	18AT2034	Farm Power and Machinery	2(1+1)
2	20HO2007	Spices and Condiments	3(2+1)
3	20HO2013	Ornamental Horticulture	2(1+1)
4	20HO2003	Plantation Crops	3(2+1)
5	20HO2005	Breeding of Fruit and Plantation Crops	3(2+1)
6	18HO2014	Dry land Horticulture	2(1+1)
7	18HO2011	Insect Pests of Fruit, Plantation, Medicinal & Aromatic Crops	3(2+1)
8	18HO2003	Precision Farming and Protected Cultivation	3(2+1)
9	20HO2016	Soil, Water and Plant Analysis	2(1+1)
10	18HO2012	Study Tour	1(0+1)
		<b>Total</b>	<b>24(14+10)</b>

**III Year: Semester V**

S.No	Course Code	Title of the Course	Credits
1	20HO2017	Organic Farming	3 (2+1)
2	18HO2018	Introduction to Major Field Crops	2 (1+1)
3	20HO2014	Medicinal and Aromatic crops	3 (2+1)
4	18AG1016	Introductory Agroforestry	2 (1+1)
5	20HO2008	Breeding of Vegetable, Tuber and Spice Crops	3 (2+1)
6	18HO2010	Diseases of Vegetables, Ornamentals and Spice Crops	3 (2+1)
7	20HO1007	Agro-meteorology and Climate Change	2 (1+1)
8	20HO2010	Potato and tuber crops	2 (1+1)
9	20HO2002	Orchard and Estate Management	2(1+1)
		<b>Total</b>	<b>22(13+9)</b>

**III Year: Semester VI**

S.No	Course Code	Title of the Course	Credits
1	18HO2024	Apiculture, Sericulture and Lac culture	2(1+1)
2	20HO2018	Horti-Business Management	2(2+0)
3	20HO2011	Postharvest Management of Horticultural Crops	3(2+1)
4	20HO2012	Processing of Horticultural Crops	3(1+2)
5	18HO2022	Breeding and Seed Production of Flower and Ornamental Plants	3(2+1)
6	20HO1013	Fundamentals of Extension Education	2(1+1)
7	18HO2016	Seed production of Vegetable, Tuber and Spice Crops	3(2+1)
8	20AG2003	Entrepreneurship Development and Business Communication	2(1+1)
9	18HO2017	Insect Pests of Vegetable, Ornamental and Spice Crops	3(2+1)
10	18HO2025	Study tour - II	1(0+1)
		<b>Total Credits</b>	<b>24(14+10)</b>

**IV Year Semester: VII****Rural Horticultural Work Experience (RHWE)**

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

		<b>Total</b>	<b>20 (0+20)</b>
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**IV Year Semester: VIII**

Sl. No.	Course Code	Name of the Course	Credits
<b>1</b>	<b>20AG2002</b>	Experiential Learning Programme (ELP) (Module I and II)	<b>20 (0+20)</b>
		<b>Total</b>	<b>20 (0+20)</b>

**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 - 2020-2024 batch**

Semester	Number of Courses	Credit Hours
<b>1</b>	<b>10</b>	<b>24(14+10)+2NC</b>
<b>2</b>	<b>8</b>	<b>20(12+8)+3NC</b>
<b>3</b>	<b>10</b>	<b>24(14+10)</b>
<b>4</b>	<b>9</b>	<b>24(14+10)</b>
<b>5</b>	<b>9</b>	<b>22(13+9)</b>
<b>6</b>	<b>9</b>	<b>24(14+10)</b>
<b>7</b>	<b>1</b>	<b>20( 0+20)</b>
<b>8</b>	<b>1</b>	<b>20 (0+20)</b>
	<b>57</b>	<b>178 ( 81+97) + 5NC</b>
	<b>Total</b>	<b>183</b>