

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

**I Year: Semester I**

Sl. No.	Course Code	Name of the Course	Credits
1.	18HO1001	Fundamentals of Horticulture	3 (2+1)
2.	20AG1004	Fundamentals of Plant Biochemistry and Biotechnology	3(2+1)
3.	20AG1006	Fundamentals of Soil Science	3(2+1)
4.	20AG1005	Introduction to Forestry	2 (1+1)
5.	20EN2001	Comprehension and Communication Skills in English	2 (1+1)
6.	18AG1001	Fundamentals of Agronomy	4(3+1)
7.	20AG1001/ 20MA1007	Introductory Biology*/Elementary Mathematics*	2 (1+1)/ 2(2+0)*
8.	18AG1002	Agricultural Heritage*	1(1+0)*
9.	18AG1006	Rural Sociology & Educational Psychology	2 (2+0)
10.	20AG1010	Human Values & Ethics (non gradial)	1(1+0)**
11.	20AG1011	NSS/NCC	1(0+1)**
<b>Total Credits</b>			<b>24 (17+7)+2NC</b>

\*\*Non gradial(Nonacademic) course, \* Remedial Courses

**I Year: Semester II**

Sl. No.	Course Code	Name of the Course	Credits
1.	20AG1003	Fundamentals of Genetics	3(2+1)
2.	20AG1008	Agricultural Microbiology	2(1+1)
3.	20AT2006	Introductory Soil and Water Conservation Engineering	2(1+1)
4.	18AG1009	Fundamentals of Crop Physiology	2(1+1)
5.	18AG1012	Fundamentals of Agricultural Economics	2(2+0)
6.	20AG2015	Fundamentals of Plant Pathology	4(3+1)
7.	20AG1007	Fundamentals of Entomology	4(3+1)
8.	18AG1014	Fundamentals of Agricultural Extension Education	3(2+1)
9.	20AG2004	Communication Skills and Personality Development	2(1+1)
10.	20AG1012	Physical Education	1(0+1)**
<b>Total Credits</b>			<b>24(16+8)+ 1NC</b>

\*\*Non gradial (Nonacademic) course

**II Year: Semester III**

Sl. No.	Course Code	Name of the Course	Credits
1.	18AG2002	Crop Production Technology – I ( <i>Kharif Crops</i> )	2(1+1)
2.	20AG2008	Fundamentals of Plant Breeding	3 (2+1)
3.	18AG2003	Agricultural Finance and Cooperation	3 (2+1)
4.	18AG2006	Agri- Informatics	2(1+1)
5.	18AT2034	Farm Machinery and Power	2 (1+1)
6.	20AG2009	Production Technology for Vegetables and Spices	2 (1+1)
7.	18AG2015	Environmental Studies and Disaster Management	3(2+1)
8.	20MA1023	Statistical Methods	2(1+1)

9.	18AG2005	Livestock and Poultry Management	4 (3+1)
<b>Total Credits</b>			<b>23(14+9)</b>

### II Year: Semester IV

Sl. No.	Course Code	Name of the Course	Credits
1.	18AG2008	Crop Production Technology –II ( <i>Rabi Crops</i> )	2(1+1)
2.	20AG2010	Production Technology for Ornamental Crops, MAP and Landscaping	2(1+1)
3.	18AT2042	Renewable Energy and Green Technology	2(1+1)
4.	18AG2012	Problematic Soils and their Management	2(2+0)
5.	18AG2010	Production Technology for Fruit and Plantation Crops	2(1+1)
6.	20AG2013	Principles of Seed Technology	3(1+2)
7.	18AG2007	Farming System & Sustainable Agriculture	1(1+0)
8.	18AG2013	Agricultural Marketing Trade & Prices	3(2+1)
9.	20AG1002	Introductory Agro-meteorology & Climate Change	2(1+1)
10.		Elective Course	3 credit
<b>Total Credits</b>			<b>22(11+8) + 3</b>

### III Year: Semester V

Sl. No.	Course Code	Name of the Course	Credits
1.	18AG2022	Principles of Integrated Pest and Disease Management	3(2+1)
2.	20AG2014	Manures, Fertilizers and Soil Fertility Management	3 (2+1)
3.	18AG2023	Pests of Crops and Stored Grain and their Management	3 (2+1)
4.	18AG2021	Diseases of Field and Horticultural Crops and their Management –I	3 (2+1)
5.	18AG2019	Crop Improvement-I ( <i>Kharif Crops</i> )	2 (1+1)
6.	20AG2003	Entrepreneurship Development and Business Communication	2 (1+1)
7.	20AG2007	Geoinformatics and Nano-technology and Precision Farming	2 (1+1)
8.	20AG2005	Practical Crop Production – I ( <i>Kharif crops</i> )	2 (0+2)
9.	18AG2026	Intellectual Property Rights	1(1+0)
10.		Elective Course	3 credit
11.	20AG2011	Educational tour I	1(0+1)
<b>Total Credits</b>			<b>25 (12+10)+ 3</b>

### III Year: Semester VI

Sl. No.	Course Code	Name of the Course	Credits
1.	18AG2027	Rainfed Agriculture & Watershed Management	2 (1+1)
2.	18AT2043	Protected Cultivation and Secondary Agriculture	2 (1+1)
3.	20AG2016	Diseases of Field and Horticultural Crops and their Management-II	3 (2+1)
4.	20AG2017	Post-harvest Management and Value Addition of Fruits and Vegetables	2 (1+1)
5.	18AG2033	Management of Beneficial Insects	2 (1+1)
6.	18AG2032	Crop Improvement-II ( <i>Rabi crops</i> )	2 (1+1)
7.	20AG2006	Practical Crop Production –II ( <i>Rabi crops</i> )	2 (0+2)
8.	18AG2029	Principles of Organic Farming	2 (1+1)
9.	18AG2034	Farm Management, Production & Resource Economics	2(1+1)

<b>10.</b>	18AG2035	Principles of Food Science and Nutrition	2(2+0)
<b>11.</b>		Elective Course	3 credits
<b>12.</b>	20AG2012	Educational tour II	1(0+1)
<b>Total Credits</b>			<b>25 (11+11)+ 3</b>

#### IV Year Semester: VII

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

Sl. No.	Course Code	Name of the Course	Credits
<b>1</b>	<b>20AG2001</b>	Rural Agricultural Work Experience (RAW) and Agro-Industrial Attachment (AIA)	<b>20(0+20)</b>
<b>Total</b>			<b>20 (0+20)</b>

#### 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.) Agriculture - 2020-2024 batch

Semester	Number of Course	Credit Hours
<b>1</b>	<b>9</b>	24 (17+7)+2NC
<b>2</b>	<b>9</b>	24 (16+8)+1NC
<b>3</b>	<b>9</b>	23 (14+9)
<b>4</b>	<b>10</b>	22 (11+8) + 3 (elective)

<b>5</b>	<b>11</b>	25 (12+10)+ 3 (elective)
<b>6</b>	<b>12</b>	25 (11 + 11)+ 3 (elective)
<b>7</b>	<b>1</b>	20(0+20)
<b>8</b>	<b>1</b>	20 (0+20)
	<b>62</b>	<b>183 (81+93) + 3NC+9 Elective</b>
	<b>Total</b>	<b>186</b>