

## Annexure-II

### Semester wise courses in Polytechnic in Horticulture- 2019

Course No.	Course Title	Credit
<b>First semester</b>		
VEG 1.1	Fundamentals of Vegetable Production	3(2+1)
FLA 1.1	Introductory Floriculture	2(1+1)
NRM 1.1	Introductory Agronomy	2(1+1)
PPT 1.1	Introductory Entomology	2(1+1)
SSC 1.1	Communication Skills and Personality Development	2(1+1)
BSC 1.1	Introductory Botany	2(1+1)
FRT 1.1	Fundamentals of Horticulture	3(2+1)
FRT 1.2	Plant Propagation and Nursery Management	2(1+1)
<b>Total</b>		<b>18 (10+8)</b>
<b>Second semester</b>		
FRT 2.3	Growth and Development of Horticultural Crops	2(1+1)
NRM 2.2	Fundamentals of Soil Science	3(2+1)
VEG 2.2	Tropical and Subtropical Vegetables	3(2+1)
FLA 2.2	Ornamental Horticulture	2(1+1)
PHT 2.1	Fundamentals of Post-harvest Technology of Horticultural Crops	2(1+1)
NRM 2.3	Manures and Fertilizers	2(1+1)
PPT 2.2	Fundamentals of Plant Pathology	2(1+1)
SSC 2.2	Information and Communication Technology	2(1+1)
<b>Total</b>		<b>18 (10+8)</b>
<b>Third semester</b>		
FRT 3.4	Tropical and Subtropical Fruits	3(2+1)
VEG 3.3	Cool Season Vegetable Crops	2 (1+1)
FLA 3.3	Cultivation of Commercial Flowers	2(1+1)
SSC 3.3	Introductory Extension Education	2(1+1)
SSC 3.4	Social and Farm Forestry	2(1+1)
BSC 3.2	Introductory Microbiology	2(1+1)
BSC 3.3	Principles of Plant Breeding	2(1+1)
NRM 3.4	Water Management in Horticultural Crops	2(1+1)
<b>Total</b>		<b>17(9+8)</b>

<b>Fourth semester</b>		
NRM 4.5	Soil Fertility and Nutrient Management	2(1+1)
FRT 4.5	Plantation Crops, Spices and Condiments	2(1+1)
BSC 4.4	Principles of Genetics and Cytogenetics	3(2+1)
PHT 4.2	Fundamentals of Food and Nutrition	2(1+1)
NRM 4.6	Agro-meteorology and Climate Change	2(1+1)
BSC 4.5	Introductory Crop Physiology	2(1+1)
FLA 4.4	Medicinal and Aromatic Plants	2(1+1)
FRT 4.6	Watershed Management and Dry Land Horticulture	2(1+1)
PPT 4.3	Pest and Disease Management of Horticultural Crops	2 (1+1)
<b>Total</b>		<b>19 (10+9)</b>
<b>Fifth Semester</b>		
BSC 5.6	Environmental Science	2(1+1)
VEG 5.4	Vegetable Seed Production and Certification	2(1+1)
PHT 5.3	Preservation and Value Addition of Horticultural Crops	3(2+1)
FLA 5.5	Protected Cultivation of Horticultural Crops	3(2+1)
SSC 5.5	Elementary Statistics and Computer Application	3(2+1)
BSC 5.7	Elementary Plant Biochemistry	2(1+1)
SSC 5.6	Economics and Marketing	2(1+1)
NRM 5.7	Farm Power and Machinery, Soil Survey and Conservation	2(1+1)
<b>Total</b>		<b>19(11+8)</b>
<b>Sixth semester</b>		
HWE 6.1	Cultivation of Hi-valued Horticultural Crops	4 (0+4)
HWE 6.2	Nursery Production, Management of Horticultural Crops and Micro-propagation	4 (0+4)
HWE 6.3	Value Addition of Fruits and Vegetables	4 (0+4)
HWE 6.4	Floriculture and Landscape Gardening and Value Addition of Flowers	4 (0+4)
HWE 6.5	Educational Tour	4 (0+4)
<b>Total</b>		<b>20(0+20)</b>
<b>Grand Total (Theory + Practical)</b>		<b>50+61=111</b>
<b>NSS</b>		<b>(0+4) (NC)*</b>

**\* NSS (0+1) credit is to be taken up to 4<sup>th</sup> semester**