

COLLEGE OF HORTICULTURE, MANDSAUR**RVSKVV, Gwalior (M.P.)****Syllabus Summary****B.SC.(HORT.) I YEAR I SEMESTER**

S.No.	Course Title	Credit
1.	Elementary Plant Biochemistry & Biotechnology	3(2+1)
2.	Elementary Statistics & Computer Application	3(2+1)
3.	Fundamentals of Horticulture	3(2+1)
4.	Fundamental of Soil Science	2(1+1)
5.	Introductory Crop Physiology	2(1+1)
6.	Introductory Economics	2(2+0)
7.	Introductory Microbiology	2(1+1)
8.	Physical Education /NSS	NC (0+1)
9.	Principles of Genetics and Cytogenesis	3(2+1)
10.	Principles of Landscape Gardening	1(0+1)
11.	Structural grammar and Spoken English	NC (1+1)

B.SC. (HORT.) I YEAR II SEMESTER

S. No.	Course Title	Credit
1.	Environmental Science	2(1+1)
2.	Fundamentals of Food Technology	2(1+1)
3.	Growth and Development of Horticultural Crops	2(1+1)
4.	Plant Propagation and Nursery Management	2(1+1)
5.	Principles of Plant Breeding	3(2+1)
6.	Soil Fertility and Nutrient Management	2(1+1)
7.	Tropical & Sub-tropical Fruits	3(2+1)
8.	Tropical and Subtropical Vegetables	3(2+1)
9.	Water Management in Horticultural Crops	2(1+1)

B.SC. (HORT.) II YEAR I SEMESTER

S. No.	Course Title	Credit
1.	Commercial Floriculture	3(2+1)
2.	Diseases of Fruit, Plantation, Medicinal and Aromatic Crops	3(2+1)
3.	Farm Power and Machinery	2(1+1)
4.	Fundamentals of Entomology	3(2+1)
5.	Fundamentals of Plant Pathology	3(2+1)
6.	Human Values and Professional Ethics-I	3(1+2)
7.	Nematode Pests of Horticultural Crops and Their Management	2(1+1)
8.	Temperate Fruits	2(1+1)
9.	Temperate Vegetables	2(1+1)
10.	Weed Management in Horticultural Crops	2(1+1)

B.SC. (HORT.) II YEAR II SEMESTER

S.No	Course Title	Credit
1.	Breeding of Fruit and Plantation Crops	3(2+1)
2.	Insect Pests of Fruit, Plantation, Medicinal & Aromatic Crops	3(2+1)
3.	Human Values and Professional Ethics-II	3(1+2)
4.	Mushroom Culture	1(0+1)
5.	Orchard Management	2(1+1)
6.	Ornamental Horticulture	3(2+1)
7.	Plantation Crops	3(2+1)
8.	Spices and Condiments	3(2+1)
9.	Soil and Plant Analysis	2(1+1)

B.SC. (HORT.) III YEAR I SEMESTER

S. No.	Course Title	Credit
1.	Disease of Vegetable, Ornamentals and Spice Crops	3(2+1)
2.	Fundamentals of Extension Education	2(1+1)
3.	Organic Farming	2(1+1)
4.	Introduction of Major Field Crops	2(1+1)
5.	Medicinal and Aromatic Crops	3(2+1)
6.	Introductory Agro-forestry	2(1+1)
7.	Breeding of Vegetable, Tuber and Spice Crops	3(2+1)
8.	Potato and Tuber Crops	2(1+1)

B.SC. (HORT.) III YEAR II SEMESTER

S. No.	Course Title	Credit
1.	Apiculture	1(0+1)
2.	Breeding and Seed Production of Ornamental Crops	3(2+1)
3.	Entrepreneurship Development and Communication Skills	2(1+1)
4.	Horti-bussiness Management	2(2+0)
5.	Insect Pest of Vegetable, Ornamental and Spice Crops	3(2+1)
6.	Post Harvest Management of Horticultural Crops	3(2+1)
7.	Processing of Horticultural Crops	3(1+2)
8.	Seed Production of Vegetable, Tuber and Spice Crops	3(2+1)

B.SC. (HORT.) IV YEAR I SEMESTER

S. No.	Course Title	Credit
1.	Experiential Learning Programme Profession Package I	15 (5+10)
2.	Rural Horticulture Work Experience Programme (Package I)	5 (0+5)

B.SC. (HORT.) IV YEAR II SEMESTER

S. No.	Course Title	Credit
1.	Experiential Learning Programme Profession Package II	15 (5+10)
2.	Rural Horticulture Work Experience Programme (Package II)	5 (0+5)