



# CARMEL COLLEGE OF ARTS, SCIENCE AND COMMERCE FOR WOMEN

Nuvem, Salcete, Goa.

## Programme Structure for Semester I to VI of Bachelor of Science in Botany

### DEPARTMENT OF BOTANY

#### Semester I

Paper Type	Paper Code	Paper Name	Credits	Component
Major	BOT-100	Fundamentals of Botany	3 + 1	Theory & Practical
Minor	BOT-111	Plants in Everyday Life	4	Theory
SEC	BOT-141	Nursery and Gardening	1 + 2	Theory & Practical
MC	BOT-131	Kitchen Gardening	3	Theory
VAC	VAC-100	Environmental Studies I	2	Theory

#### Semester II

Paper Type	Paper Code	Paper Name	Credits	Component
Major	BOT-100	Fundamentals of Botany	3 + 1	Theory & Practical
Minor	BOT-111	Plants in Everyday Life	4	Theory
SEC	BOT-141	Nursery and Gardening	1 + 2	Theory & Practical
MC	BOT-131	Kitchen Gardening	3	Theory
VAC	VAC-100	Environmental Studies I	2	Theory
Exit	BOT-161	Floriculture	1+3	Theory & Practical

#### Semester III

Paper Type	Paper Code	Paper Name	Credits	Component
Major 1	BOT-200	Diversity of Microbes & Non-flowering Plants	3 + 1	Theory & Practical
Major 2	BOT-201	Plant Physiology	3 + 1	Theory & Practical
Minor	BOT-211	Plant-Animal Interactions	3 + 1	Theory & Practical
SEC	BOT-241	Herbal Technology	1 + 2	Theory & Practical
MC	BOT-231	Plant Propagation Methods	3	Theory

#### Semester IV

Paper Type	Paper Code	Paper Name	Credits	Component
Major 1	BOT-202	Anatomy and Reproductive Biology of Flowering Plants	3 + 1	Theory & Practical
Major 2	BOT-203	Cell Biology and Plant Biochemistry	3 + 1	Theory & Practical
Major 3	BOT-204	Biofertilizers	3 + 1	Theory & Practical
Major 4	BOT-205	Palynology	1 + 1	Theory & Practical
Minor (VET)	BOT-221	Techniques in Floral Arrangement	2 + 2	Theory & Practical
Exit	BOT-261	Organic Farming	1 + 3	Theory & Practical

**Semester V**

<b>Paper Type</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Credits</b>	<b>Component</b>
Major 1	BOT-300	Plant Taxonomy and Phylogeny	3 + 1	Theory & Practical
Major 2	BOT-301	Cytogenetics and Plant Breeding	3 + 1	Theory & Practical
Major 3	BOT-302	Microbiology and Plant Pathology	3 + 1	Theory & Practical
Major 4	BOT-303	Field Botany	1 + 1	Theory & Practical
Minor (VET)	BOT-321	Mushroom Cultivation Technology	3 + 1	Theory & Practical

**Semester VI**

<b>Paper Type</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Credits</b>	<b>Component</b>
Major 1	BOT-304	Plant Tissue Culture	3 + 1	Theory & Practical
Major 2	BOT-305	Plant Ecology and Phytogeography	3 + 1	Theory & Practical
Major 3	BOT-306	Molecular Biology and Genetic Engineering	3 + 1	Theory & Practical
Major 4	BOT-307	Minor Project	4	Theory
Minor (VET)	BOT-322	Post-harvest Technology of Fruits and Vegetables	3 + 1	Theory & Practical