

FACULTY OF LIFE SCIENCES

CURRICULUM AND SCHEME OF EXAMINATIONS: 2022- 23

For

**B.Sc. (Hons.) Agriculture
(Semester- VII-VIII)**

(Under Continuous Evaluation Grading System)



The Heritage Institution

**KANYA MAHA VIDYALAYA
JALANDHAR (Autonomous)**

B.Sc. (Hons.) Agriculture (Semester-VII)

(Session: 2022-23)

Course Code: BACP- 7010 /7011 (OPT-I)

COMMERCIAL HORTICULTURE

(PRACTICAL)

COURSE OUTCOMES (CO):

After passing this course student will be able to:

CO1: gain necessary competencies for raising floricultural and vegetable crop nursery in pottrays and field for commercial purposes

CO2: produce and maintain potted landscaping plants

CO3: develop the value added products of fruits and vegetables

CO4: become skillful in marketing the raised stock of floriculture, vegetable or fruit plants.

B.Sc. (Hons.) Agriculture (Semester-VII)
Course Code: BACP- 7011 /7012–ELP-1/11 (OPT-II)

MUSHROOM CULTIVATION TECHNOLOGY

(PRACTICAL)

COURSE OUTCOMES (CO):

After passing this course student will be able to:

CO1: identify different types of edible and medicinal mushrooms

CO2: develop the mushroom spawn.

CO3: grow mushrooms under natural and controlled environmental conditions.

CO4: manage pests and diseases of mushrooms

Course Code: BACP- 7011 /7012–ELP-1/11 (OPT-III)

SOIL, PLANT, WATER AND SEED TESTING

(PRACTICAL)

COURSE OUTCOMES (CO):

After passing this course student will be able to:

CO1: understand the basic properties of soil and estimate the soil available nutrients.

CO2: understand hi-tech nursery management practices.

CO3: apply the knowledge of soil amendment requirements.

CO4: estimate the quantity and quality of water by testing and crop need

COURSE OUTCOMES (CO):

After passing this course student will be able to:

CO1: practice apiary management and its economics.

CO2: survey of available flora for bee keeping and pollination benefits .

CO3: harness different bee products and manage bee diseases.

CO4: help in transfer of apiculture awareness knowledge to farmers.

Course Code: BACP- 7011 /7012–ELP-1/11 (OPT-V)

FLORICULTURE AND LANDSCAPE ARCHITECTURE

(PRACTICAL)

COURSE OUTCOMES (CO):

After passing this course student will be able to:

CO1: plan area specific floriculture and landscaping practices.

CO2: develop skill of ornamental horticulture for commercial cultivation of flower crops.

.

CO3: evaluate benefit: cost analysis of ornamental gardening.

CO4: learn and plan fresh and dry flowers for decoration.

B.Sc. (Hons.) Agriculture (Semester-VII)

Course Code: BACP- 7011 /7012–ELP-1/11 (OPT-VI)

ORGANIC PRODUCTION TECHNOLOGY

(PRACTICAL)

COURSE OUTCOMES (CO):

After passing this course student will be able to:

CO1: understand the basic requirement of organic farming.

CO2: experiment with different crops under organic farming practices.

CO3: apply the concept of precision farming with INM and IPM.

CO4: categorize the different types of organic manures and fertilizers.

Course Code: BACP- 7011 /7012–ELP-1/11 (OPT-VII)

FOOD PROCESSING

(PRACTICAL)

COURSE OUTCOMES (CO):

After passing this course student will be able to:

CO1: understand the importance of food processing.

CO2: collect protocols and preliminary data required for food processing.

CO3: apply the knowledge for economic benefit.

CO4: develop the process/product design.

Course Code: BACP- 7011 /7012–ELP-1/11 (OPT-VIII)

PRODUCTION TECHNOLOGY FOR BIOAGENTS AND BIOFERTILIZER

(PRACTICAL)

COURSE OUTCOMES (CO):

After passing this course student will be able to:

CO1: describe various bioagents used for crop pest and disease control.

CO2: understand mass multiplication technology of bioagents.

CO3: apply the bioagents for the management of pests agriculture or horticulture.

CO4: learn and plan for enhancing shelf life and marketing.