

DEPARTMENT OF HORTICULTURE
(R. K. P.G COLLEGE, SHAMLI)
Course Outcome of M.Sc. (Ag.) Horticulture

M.Sc. Horticulture I Sem

Fundamentals of Bio-statistics and computer applications (J- 1004)

1. To get knowledge of introduction to Statistical data, classification and tabulation of Statistical data, frequency distribution, diagrammatic and graphical representation of data bar.
2. To know about mean, median, mode.
3. learn about probability and distribution.
4. To get knowledge about correlation and regression.
5. To know introduction to computer and organisations of computer hardware.

Fundamental of Ornamental gardening (J-163)

1. Knowledge of various types of style of ornamental gardening.
2. Identification of important ornamental plants (Trees, shrubs, annuals).
3. Making and Management of Lawn.
4. Enhancing the knowledge of indoor gardening, Roof gardening ,avenues and landscaping.
5. Production of cut flowers, bouque, garlands, and their maintenance.
6. Uses of various type of plant hormones for enhancing the flower production and increases flower life.
6. Floriculture helpful to students self-employment.

propagation and nursery management (J-162)

1. To Develop skill of various types of plant propagation method.
2. To Develop various types of Nurseries.
3. To help and Generate self-employment .
4. Knowledge of Nursery technique.
5. Knowledge of various type of plant growing structure. like green house, glass house, poly house, etc.
6. Knowledge of plant growing media.

Fundamentals of vegetable Production (J-161)

1. Importance of vegetables and spices in human nutrition and national economy.
2. Types of vegetable gardening.
3. Food value of vegetables.
4. Insect pest and disease management of vegetable and spices.
5. Raising technique of nursery of vegetable and spices.

M.Sc. (Ag) Horticulture 2nd Sem

Statistical methods in agriculture (J-204)

1. To get knowledge theory of sampling
2. To learn about the testing of hypothesis.
3. To learn about test of significance.
4. To know about analysis of variance with one way and two- way classification.
5. To get knowledge design of experiments.

Production Technology of Vegetables and spices (J 261)

1. Get knowledge about Cultivation method of important vegetable and spices.
2. learn about Weed management in vegetable production
3. Economics of vegetables and spices cultivation.
4. To help and generate self-employment.

Production Technology of ornamental Crops (J-263)

1. Importance and scope of flower crops.
2. To Get knowledge about Production of important cut flowers like Rose , Carnation, dahlia, ladiolus, tuberose,lilies, alstromia, Marigold, gerbna, Jasmine and aster etc.
3. To Get Knowledge about Identification of Ornamental Crops.
4. Extraction of essentials all from compartmented flower.
5. To Get Knowledge about greenhouse cultivation. of Flowers and ornamented crops.

Orchard Management (J -262).

1. Knowledge Establishment of orchard.
2. To Know Method of training and pruning of fruits crops.
3. Knowledge of Manual requirement of fruit trees. Mayer and minor nutrients, nutrient deficiency and their shunt remedies and foliar seeds.
4. 4.To Know Plant protection technique against pest, disease, and physiological disorders.
5. Learn Rejuvenation of old and uneconomic orchards.

MSc. Ag horticulture III sem

Fundamental of Fruit Production (J 361)

1. Importance of Fruits in human diet and importance and scope of fruit in India.
2. To Get knowledge about Insect pest and disease management in fruit crops.
3. Uses of plant growth hormones in fruit production.
4. To Get Knowledge about propagation method for fruit crops.
5. To know planting System for fruit crops.

Breeding of vegetable and ornamental crops (J-362)

1. To Get Knowledge of History of vegetable and ornamental, breeding research and infrastructure in India.
2. Learn about the breeding processors and technique of vegetable crops.
3. Gain knowledge about the breeding of major vegetables and flower crops.

Fundamentals of Preservation of Horticulture Crops (J-363)

1. To get knowledge importance history, present position. and scope of preservation.
2. To know about Principles and methods of fruit and vegetables. Preservation.
3. To know about principles and guideline for location. and layout of fruit and vegetables limit.
4. Technical Skill development.
5. Self-employment generation.

Post-harvest technology of Horticulture crops.

1. Importance of post-harvest technology of fruit, vegetables and ornamental crops.
2. TO get knowledge methods of post- harvest management of fruit, vegetable and ornamental crops.
3. Application of different type of packing containers for self-life extension.
4. Technical skill development.
5. To know about factors affecting bud and flower development, Senescence carbohydrate and Nitrogen metabolism.
6. To know role of applied sugar growth regulators. metallic salt and other chemical delaying quality deterioration.

M. Sc. (Ag) Horticulture IV Sem

Production of fruit crops [J-461]

1. Importance of fruits in human diet and importance and scope fruits in India.
2. To know about cultivation of major tropical, Sub-tropical and temperate fruit crop like mango, guava, papaya, banana, Jack fruit, pineapple, guava, Peach etc.
3. To know about major problems of fruit growing as mango malformation, alternate bearing, Sponge tissue, bunchy top of banana, wilt etc.
4. To study of important physiological disorder of fruit crop.

Breeding fruit crops [J-462]

1. To know history and infrastructure of fruit breeding in India.
2. To get knowledge of breeding of major fruit crops in India.
3. To know about breeding for abiotic stress.
4. learn about breeding for insect-pest diseases resistance.

Processing of fruits and vegetables [J-4063]

1. To know about the processing the fruits and vegetables.
2. To get knowledge preparation methods of Jam, Jelly, Marmalade, preserve candy, pickles.
3. Use of household preservatives and chemical preservatives in fruit and vegetable preservation.
4. To get knowledge about importance of buy-products from processing plants,
5. Technical skill development.
6. Self-employment generation.

Seed production technology of vegetables and flower(J-464)

1. Importance of vegetables and seed production in India.
1. To get knowledge about seed production technique of Vegetables and flower crops.
2. Learn about land, Field Standards in seed production, seed standards, seed testing, seed recessing, seed packing, storage, seed certification, seed production and certification agency
3. To know about Indian seed industry, quality. control of vegetables, vegetable seeds, flower seed, seed policy, quarantine.
4. Technical skill development.
5. Self-employment generation.

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