

**Mumbai Metropolitan Region Development Authority
BKC, Bandra**

Horticulture Assistant

-: syllabus -:

- General Knowledge.
- Horticulture, Styles of Gardening, Lawn Development, Roadside plantation of trees /shrubs, Flowering shrubs, Hedges.
- Bonsai, and its maintenance, Annual flowers, Topiary, Indoor and outdoor potted plants, propagation of roses, Chrysanthemum, Dahlia, Bougainvillea, Hanging Basket, Cultivation of Cut Flowers I.e. Roses, Gladiolus, Orchids, Tuberose, Liliun and Anthurium, Ground Covers, Medicinal Plants, Scented Shrubs/Trees, Propagation, Plant protection Nursery management, Routine Garden operation, Features of the garden, Flower shows and Garden Competitions, Floral ornaments and Flower Arrangements.
- Basics of Horticulture.
- Fundamentals of Horticulture.
- Plant Propagation and Nursery Management.
- General biochemistry Crop Physiology, Fundamentals of soil science, Soil Fertility and Nutrient Management.
- Basics of Gardening.
- Layout of Urban and terrace Gardens, landscaping, Drip / Springler Irrigation Maintenance of public parks,
- Grass management use of weedicides, fertilizer and water management, Kitchen gardening ,Knowledge of ornamental trees, herbs, scientific and common names Mughal gardens in India.
- Horticultural Crops.
- Growth development of Horticultural Crops Introduction to Major Field
- Crops, Production Technology of tropical and Arid Zone Fruits Tropical Vegetables Plantation.
- Crops Spices and Condiments Biotechnology of Horticultural crops Water Management in Horticultural Crops
- Disease and weed Management
- Principles of Plant Pathology, Insect control, use of common insecticides for termites and pests, Biological control Beneficial Insects
- Weed Management in Horticultural Crops.
- Insect pests of Vegetable, ornamental and spice Crops and their management Fungal Bacterial Diseases of Vegetable, Ornamental and spice Crops.
- Forestry.
- Social forestry, silviculture, plant protection and nursery management forest act and laws Maharashtra Urban tree act 1975, Tree translation methods and techniques.

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