HPPSC HDO Syllabus

HPPSC HDO Syllabus - (Concerned Subjects)

UNIT- I

PRINCIPLES OF HORTICULTURE
Scope and importance of horticulture – Scenario of horticulture industry in the regional, National and global economy – Area and production – Export and import – Nutritive value of horticultural crops – Horticultural therapy and etc.

UNIT – II

PROPAGATION AND NURSERY TECHNIQUES OF HORTICULTURAL CROPS
Sexual propagation, principles, advantages, and disadvantages – Apomixis, polyembryony, seed dormancy and methods to overcome the dormancy – Factors influencing seed germination – Portrays – Containers – Media – Growing structures – Management of fruit nursery – Asexual propagation and etc.

UNIT – III

GROWTH AND DEVELOPMENT OF HORTICULTURAL CROPS
Important phases of growth and development – Definitions, photosynthetic productivity, leaf area index (LAI) – optimum LAI in horticultural crops. Canopy development: Different stages of growth, growth curves and etc.

UNIT – IV

BREEDING OF HORTICULTURAL CROPS
Scope and importance of plant breeding in horticultural crops – Breeding systems and objectives – Plant genetic resources – Modes of reproduction – Mechanisms of pollination control, sterility, and incompatibility – Effect of mating systems.

HORTICULTURE (DEGREE STANDARD)

UNIT- I

FUNDAMENTALS OF HORTICULTURE
Scope and importance – State, National and Global scenario of horticultural crops – Area and production – Import and export – Nutritive value of horticultural crops – Horticultural zones of

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Tamil Nadu and India – National and regional agencies involved in the promotion of Horticultural Industry in India (NHB, APEDA, and Commodity Boards).

UNIT – II

GROWTH AND DEVELOPMENT OF HORTICULTURAL CROPS
Important phases of growth and development – Bearing habits – Classification of horticultural crops based on life cycle – Annual, biennial perennial (woody and herbaceous perennials) – Fruitfulness and unfruitfulness – External and internal factors associated with unfruitfulness – Physiology of flowering.

UNIT – III

PROPAGATION OF HORTICULTURAL CROPS

UNIT – IV

MANAGEMENT TECHNIQUES FOR HORTICULTURAL CROPS

UNIT – V

POST- HARVEST TECHNOLOGY OF HORTICULTURAL CROPS

Himachal Pradesh Public Service Commission General Knowledge Syllabus

- Geography of India
- Economic issues in India
- National news (current)
- International issues
- Tribes
- Indian Culture

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• Handicrafts
• Countries and capitals
• Political Science
• Scientific observations
• About India and it’s neighboring countries
• New inventions
• World organizations
• Famous Places in India
• Books And Author
• Science and innovations
• Important Dates
• Music & Literature
• National Dance
• Famous Places
• Artists
• Tourism spots of Historical Importance
• Sculptures
• Musical Instruments etc