

HORT 401

Introductory Horticulture

3(2-1)

THEORY

Introduction, history, importance and future scope, Definition and divisions of horticulture, Classification of horticultural crops, Plant parts, their modifications and functions, Plant environment; climate (temperature, light, humidity etc) and soil (structure, texture, fertility etc), Propagation of horticultural plants.

PRACTICALS

Visit of nurseries, commercial gardens and public parks. Identification and nomenclature of important fruits, vegetables and ornamental plants; Garden tools and their uses, Media preparation. Techniques of propagation.

BOOKS RECOMMENDED

1. Arteca, R.N. 2006. Introduction to Horticulture. Delmar Learning Science Publishers, USA.
2. Brown, L.V. 1996. Applied Principles of Horticultural Science. Butterworth – Heinemann, Oxford, U.K.
3. Chadha, K.L. 2006. Handbook of Horticulture (6th Ed.). ICAR, New Delhi, India.
4. Hartmann, H.T., D.E. Kester, E.T. Davies and R.L. Geneve. 2009. Plant Propagation–Principles and Practices (7th Ed.). Prentice-Hall India Learning Pvt. Ltd., New Delhi, India.
5. Malik, M.N. 1994. Horticulture. National Book Foundations, Islamabad.
6. Reiley, H.E., C.L. Shry (Jr). 2004. Introductory Horticulture (6th Ed.). Delmar-Thomson Learning, Albany, USA.
7. Sharma, R.R. 2002. Propagation of Horticultural Crops: Principles and Practices. Kalyani Publishers, Ludhiana, New Delhi, India.
8. Singh, B. 2007. Horticulture at a Glance. Kalyani Publishers, Ludhiana, New Delhi, India.