



**B.Sc. PLANT BIOLOGY & PLANT BIOTECHNOLOGY**

**GENERAL COURSE - PLANTS AND PEOPLE**

B.A. / B.Sc. / B.Com. (Candidates admitted from the academic year 2008-2009)

## PART IV A3 NM ELECTIVE

### GENERAL COURSE - PLANTS AND PEOPLE

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#### UNIT I

**Origin of plants:** Geological time scale and origin of plant groups. Evolution of human beings. Pre-historic plants. Origin of agriculture and civilizations.

#### UNIT II

**Food Plants and People:** Domestication of different crops. Introduction of food plants from different regions.

#### UNIT III

**Medicinal Plants:** A brief history of medicinal plants and their usage. Medicinal plants of global and local importance.

#### UNIT IV

**Plants and Human Cultures:** Landscape, plants and people in Tamil culture. Myths, beliefs and taboos associated with plants.

#### UNIT V

**Globalisation and Plants:** Plants as National/ Global resources. Exploitation of plant resources and knowledge linked with them.

#### UNIT VI

**Plants and Human Aesthetics:** Ornamental plants. Gardening and landscaping.

#### Suggested Reading

GORER, R. 1978. The Growth of Gardens. Faber and Faber Ltd. London.

HEISER, C.B. 1981. Seed to Civilization. The story of Food. 2nd Edition. W.H. Freeman. San Francisco.

HEISER, C.B. 1985. Of Plants and People. University of Oklahoma Press. Oklahoma.

JOSHI, S.G. 2000. Medicinal Plants. Oxford and IBH, New Delhi.

- KOCHHAR, S.L. 1981. Economic Botany in Tropics. Published by S.G. Wasani. Macmillan India Ltd. Madras
- KIRK, D AND E.K.ELIASON.1982. Food and People. Boyd & Fraser. San Francisco.
- LEWIS, W.H., AND M.P.F. ELVIN LEWIS. 1976. Medical Botany. Plants Affecting Man's Health. A Wiley Interscience Publication. John Wiley and Sons. New York.
- NAMBEESAN,K.M.P. 1992. Design elements of Landscaping. Oxford &IBH. New Delhi.
- SIMMONDS, N.W. 1976. Evolution of Crop Plants. Long man Group. London.
- SIMPSON, B.B., AND M.C. OGORZALY. 1986. Economic Botany. Plants in Our World. McGraw Hill Company. New York.
- SINGH, U., A.M. WADHWANI, AND B.M. JOSHI. 1965. Dictionary of Economic Plants of India. ICAR. New Delhi.
- THIMANN, K.V., AND J.H. LANGEHEIM. 1982. Botany : Plant Biology and its Relation to Human Affairs. John Wiley & Sons. New York.
- U.S. DEPARTMENT OF AGRICULTURE. 1992. New Crops, New Uses, New Markets. Industrial and Commercial Products From Agriculture. Year Book of Agriculture. Office of Publishing and Visual Communication.