

# CERTIFICATE COURSE IN BIODIVERSITY CONSERVATION

## **SYLLABUS**

DEPARTMENT: DEPARTMENT OF BOTANY

NAME OF COURSE: CERTIFICATE COURSE IN BIODIVERSITY CONSERVATION

COURSE CODE: CVAC001

TOTAL HOURS: 30

### **UNIT-I (10 HOURS)**

Introduction- Definition, Genetic diversity, Species diversity, Ecosystem diversity - Basic concepts of conservation biology - Current practice in conservation - Conservation of genetic diversity, conservation of species diversity, conservation of ecosystem diversity - relevance of ecosystem diversity as well as services in conservation.

### **UNIT- II (10 HOURS)**

Value of Biodiversity - Biodiversity and stability of ecosystem - Biodiversity at global, national and local levels India as a Mega Diversity Nation - Threats to Biodiversity- Ecosystem degradation - Conservation of Biodiversity - Strategies for conservation.

### **UNIT -III (10 HOURS)**

Ecosystem Restoration and Management Practices - Valuing biodiversity resources and their contribution to agriculture, community health and environment - Causes of biodiversity loss - Biodiversity policy and legislation - Wildlife conservation and management - Conservation Practices in India and World

### **REFERENCE**

- An, S., & Verhoeven, J. T. (Eds.). (2019). Wetlands: Ecosystem Services, Restoration and Wise Use (Vol. 238). Springer.
- Fiedler P.L and Kareiva, P.M. (1997) Conservation biology Chapman and Hall International Thompson Publishing. USA
- Gabriel M. (2000) Biodiversity and conservation Oxford and IBH publishing company Pvt Ltd. New Delhi.
- Heywood, V.H. & Watson, R.T. (1995) Global Biodiversity Assessment.