

Biodiversity

Unit - I

Biodiversity –Definition, different levels, importance, threats, Global and local efforts for conservation.

Unit - II

Microbial Diversity - Different forms, Utility – industrial, pharmaceutical, agricultural, methods for isolation and identification

Unit - III

Plant Diversity – Sampling for quantification, different forms, agrodiversity, forests and medicinal plants

Unit - IV

Faunal Diversity – Origin of life, characteristics, different forms, invertebrates, vertebrates, evolutionary trend

Suggested readings

1. Biodiversity, TERI, New Delhi
2. Textbook of Microbiology, S Chand and Co., New Delhi
3. An Advanced Textbook on Biodiversity, Oxford & IBH, New Delhi
4. Ecology, Cengage Learning, New Delhi