

SERIAL NO. 125 : Biodiversity and It's conservation

GE/THY 6B

Unit-I :

Introduction , Types of Biodiversity, Measurement of Biodiversity, Importance of Biodiversity, Varius Biodiversity areas of India, Majors Hotspot regions of India.

Unit-II :

Factors for decline of biodiversity.

Approaches for conservation of biological diversity. Protection of wild flora, fauna and natural habitats. IUCN, Red Data Book, Concept of threatened species. Threatened and endangered animals and plants of India.

Unit-III :

Importance of tropical rain forests and wetlands. Wild life sanctuaries, National Parks and Biosphere Reserve. Concept of genetic diversity, gene and germ-plasm banks.

Unit-IV :

Biodiversity convention. International and national efforts to conserve biodiversity. Socio-cultural aspects of biodiversity. Biotechnological needs for biodiversity conservation. Traditional knowledge and biodiversity conservation.

Suggested Reading :

1. Chandel, K.P.S., Shukla, G. And Sharma, N. (1996). Biodiversity in Medicinal and Aromatic Plants in India Conservation and Utilization, National Bureau of Plant Genetic Resources, New Delhi.
2. Council of Scientific and Industrial Research (1986). The Useful Plants of India Publication and Information Directorate, CSIR, New Delhi.
3. Nair, M.N.B. et. al. (Eds.) (1998). Sustainable Management of Non-wood Forest Products. Faculty of Forestry, University Putra. Malaysia. 434 004 PM Serdang, Selangor, Malaysia.
4. Soule, M.E. (ed.) (1986). Conservation Biology. The Science of Scarcity and Diversity. Sinaur Associates, Inc., Sunderland, Massachusetts.
5. Singh, J.S., Singh, S.P. and Gupta, S.R. 2006. Ecology, Environment and Resource Conservation, Anamaya Publishers, New Delhi