

## **FR(N) 220: BIODIVERSITY CONSERVATION AND MANAGEMENT**

### **SYLLABUS**

Diversity in living world, Concept of Biodiversity, Values of Biodiversity and ecosystem services, Biodiversity and Ecosystems, Biodiversity threats, conservation approaches and management: Decline of biodiversity, causes and consequences, Direct and indirect threats; Reason of conservation and conservation approaches, Eco-regions, Mega-diverse countries, Biodiversity hotspots, The spread and threats of invasive species, Global Biodiversity, Loss of biodiversity, Biodiversity Conservation, Conservation and management practices, Traditional ecological knowledge: role of traditional knowledge, community-based conservation, traditionally conserved areas in India: Sacred Groves, Rivers and Mountains; Biodiversity and climate changes, Biodiversity conservation and human health, Endemic Species of India, Biodiversity conservation- Legal aspects, Conservation and Sustainable Use of Biodiversity, International Initiatives

### **SUGGESTED READINGS**

1. *Environmental Studies: Crisis to Cure*- R. Rajagopalan, Oxford University Press, New Delhi.
2. *Energy, Environment and Resource Conservation*- J.S. Singh, S.P. Singh and S.R. Gupta, Anamaya Publishers, New Delhi.
3. *Biodiversity and Global Change*- O.T. Solbrig, H.M. Van Emden and P.G.W.T. Van Oordt (eds.), CAB International, UK and IUBS, Paris, France.
4. *Biodiversity and Ecosystem Functions*- Ernst-Detlef Schulze and Harold A. Money (eds.), Springer-Verlag, Berlin.
5. *Global Biodiversity Assessment*- V.H. Heywood (Ex ed.), Published for the UNEP by Cambridge University Press, Cambridge.