

## **FRN 303: FOREST MANAGEMENT, POLICY AND LEGISLATIONS**

### **SYLLABUS**

Introduction: Definition and scope; Peculiarities of forest management; Principles of forest management and their applications; Objects of management, purpose and policy; Sustained and progressive yield concept and meaning; General definitions – management and administrative units, felling cycle and cutting section; Rotations: definition, kinds of rotations, choice of rotations, length of rotations and conversion period; Normal forest: definition and concept; Even-aged and uneven-aged models; Estimation of growing stock, density, quantity and increment; Yield regulation—general principles of even aged and uneven-aged forest crop; Yield regulation based on area, volume, area and volume, increment and number of trees; Working Plan – definition, objects and necessity; National Forest Policies: Necessity and scope; Legal and institutional approaches to forest resource management; National Forest Policies; Forest Law: legal definition; Objects of special forest law; Indian Forest Act; Detailed study of IFA, 1927; Wildlife (Protection) Act, 1972; Forest Conservation Act 1980; Protected areas – Sanctuary, National Park and Biosphere Reserves; Special projects for wildlife conservation; Project Tiger and Musk Deer Project; Wildlife corridors; MAB, Red Data Book, Category of threat, CITES and Central Zoo Authority of India

### **Suggested Readings**

- [1] *Essentials of Forest Management* by S. Balakathiresan
- [2] *Joint Forest Management in India* by P. Bhatta charya, A.K. Kandya and Krishna Kumar
- [3] *Forest Management in India- Issues and Problems* by V. Desai
- [4] *Timber Management: A Quantitative Approach* by Jerome L Cutteretal
- [5] *National Working Plan Code* by MoEF&CC, New Delhi.
- [6] *Forest Management*, IBD, Dehradun.
- [7] *Forest Management* by P.R. Trivedi and K.N. Sudarshan