

# Forestry

– A Subjective Guide for IFS Aspirants



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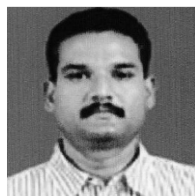
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# PREFACE

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Forests and Forestry have generated immense interest in the Professional Forestry Education offered across the country by the State Agricultural Universities, ICFRE Institutes and other conventional universities. Professional Forestry education in India incorporates all the facets of forestry *viz.*, Fundamental aspects, managerial concepts, technology developments and applied aspects of Forestry science. The success of Forestry education is well reflected in the employment of Forestry graduates in Government and private sectors. Of late, increasing demand for Forestry professionals from multifarious organizations has created significant competition for Forestry oriented jobs among the graduates of various disciplines. Paucity of a comprehensive text book encompassing various aspects of Forestry science has been felt to be a major bottleneck for graduates to be successful in competitive examinations.

Graduating students of Forestry and other graduates aspiring for competitive examinations like the Indian Forest Service have to refer a wide range of books to cover the entire syllabus. The authors being academicians of Forestry involved in teaching the undergraduate and post graduate students in Forestry have long felt that the graduating students and other graduates who select Forestry as a subject for competitive examinations experience immense difficulties in referring to a wide range of books. All the more, students of Forestry, officers from State Forest Departments and Forestry academicians across the country have demanded a comprehensive book covering all subjects of forestry in a simple and lucid language to learn the art and science of forestry.

This necessitated conceptualization of a comprehensive text book on subjective forestry which is titled as **Forestry - A Subjective Guide for IFS Aspirants** to cater the needs of graduates of Forestry and other science and engineering graduates aspiring for the Indian Forest Service. This book has 32 chapters *viz.*, Introductory Forestry, Regeneration of Trees, Tree Nursery, Silvicultural System, Mangroves, Cold Deserts, Silviculture of Economic trees, Agroforestry & Social forestry, Joint Forest Management (JFM), Tribology, Forest Soils, Soil Conservation, Watershed Management, Environmental Conservation, Biodiversity, Tree Breeding and Improvement, Seed Technology, Forest Management, Forest Working Plan, Forest Mensuration, Remote Sensing, Surveying and Forest Engineering, Forest Ecology, Dendrology, Herbaria and

Ethnobotany, Forest Utilisation, Non Wood Forest Products, Wood Seasoning, Wood technology, Forest protection, Wildlife management, Forest economics and Forest policy. The text is prepared in a form which is easy to follow and the main focus is on enabling the reader to understand and conceptualize the various aspects of Forestry to succeed in competitive examinations.

The authors having been associated with teaching Forestry Education over years have taken pains to refer several books to collect information and present in a simple and readable form to meet the examination needs of the students and graduates alike. The authors are indebted to acknowledge the authors of the books, journals, websites, government documents like policy and acts from various sources as appended in the reference section from which the needed information for the current book has been referred and included.

The authors are thankful to Dr. S. Balaji, IFS, Principal Chief Conservator of Forests (Research and Education), Tamil Nadu Forest Department for writing the foreword besides providing critical suggestions for improving the book.

Thanks are also due to Mrs. R.D. Sharmila, Office Assistant who has patiently and excellently carried out the compilation of the book. The senior author acknowledges the help rendered by the undergraduate and postgraduate students of Forest College and Research Institute, Mettupalayam in the process of collection of study materials. The authors would like to thank Mr. Tanay Sharma, Scientific Publishers (India), Jodhpur for inviting the authors to write this comprehensive subjective guide which we believe will help all the graduates aspiring for IFS and State Forest Service Examinations.

This being a maiden attempt, there are chances of errors and omissions in the contents. The readers of the book are most welcome to suggest corrections and additions in the chapter contents which will enable us to improve in future editions.

**Authors**

# CONTENTS

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## Section I

1.	<b>Introductory Forestry</b>	<b>1-8</b>
	General Forestry and Forests - Definition - Objectives - Importance - Classification of Forests - Age - Composition - Objects of management - Ownership and legal status - Growing stock- Role of Forests-productive and protective.	
2.	<b>Regeneration of Trees</b>	<b>9-20</b>
	General Principles - Regeneration - Natural Regeneration - Artificial Regeneration - Seed Propagation - Vegetative Propagation - Cutting - Grafting - Layering - Micro Propagation - Advantages - Disadvantages.	
3.	<b>Tree Nursery</b>	<b>21-35</b>
	Forest Nursery - Plantation establishment - Tending operations - Weeding - Thinning - Nutrient management.	
4.	<b>Silvicultural System</b>	<b>36-64</b>
	Clear felling - Uniform shelter wood selection - Coppice and conversion systems - Management of silvicultural systems of temperate, subtropical, humid tropical, dry tropical and coastal tropical forests - Enrichment methods - technical constraints - intensive mechanized methods - aerial seeding.	
5.	<b>Mangroves</b>	<b>65-75</b>
	Mangrove - habitat and characteristics - Plantation establishment and rehabilitation of degraded mangrove formations - silvicultural systems for mangrove - protection of habitats against natural disasters.	
6.	<b>Cold Deserts</b>	<b>76-82</b>
	Cold desert - Characteristics - identification and management of species.	



## 7. **Silviculture of Trees** **83-134**

*Acacia catechu, Acacia nilotica, Acacia auriculiformis, Albizia lebbeck, Albizia procera, Anthocephalus Cadamba, Anogeissus latifolia, Azadirachta indica, Bamboo spp, Butea monosperma, Cassia siamea, Casuarina equisetifolia, Cedrus deodara, Chukrasia tabularis, Dalbergia sissoo, Dipterocarpus spp., Emblica officinalis, Eucalyptus spp, Gmelina arborea, Hardwickia binata, Lagerstroemia Lanceolata, Pinus roxburghii, Populus spp., Pterocarpus marsupium, Prosopis juliflora, Santalum album, Semecarpus anacardium, Shorea robusta, Salmalia malabaricum, Tectona grandis, Terminalia tomentosa, Tamarindus indica.*

## **Section II**

## 8. **Agroforestry and Social Forestry** **135-148**

Definition - Scope - Importance - Types of Agroforestry - Role of MPT and NTFP - Food, Fodder, Fuel and Fibre security - Research and extension - Social Forestry - Scope and objectives.

## 9. **Join Forest Management (JFM)** **149-161**

Principles - Objectives - Methods - Benefits - Role of NGO.

## 10. **Tribology** **162-164**

Tribal scene in India - Tribes - Concept of races - Principles of social grouping, stages of tribal economy - Education - Cultural Tradition - Customs - Ethos and participation in forestry programmes.

## 11. **Forest Soils** **165-187**

Forests Soils - Classification - factors affecting soil formation - Physical, chemical and biological properties.

## 12. **Soil Conservation** **188-199**

Definition - Causes for erosion - Types - Wind and water erosion - Conservation and management of eroded soils/areas - Wind breaks - shelter belts; sand dunes - Reclamation of saline and alkaline soils, water logged and other waste lands - Role of forests in conserving soils. Maintenance and buildup of soil organic matter - Provision of loppings for green leaf manuring - Forest leaf litter and composting - Role of microorganisms in ameliorating soils - N and C cycles, VAM.

## 13. **Watershed Management** **200-209**

Watershed Management - Concepts of watershed - Role of mini-forests and forest trees in overall resource management - forest hydrology- watershed development in respect of torrent control - river channel stabilization - avalanche and landslide controls - rehabilitation of degraded areas - Hilly and mountain areas - Watershed management and environmental functions of forests - Water-harvesting and conservation - Ground water recharge and watershed management - Role of integrating forest trees - Horticultural crops - Field crops - Grass and fodders.

## 14. **Environmental Conservation** **210-223**

*Environment:* Components and importance - Principles of conservation -Impact of deforestation - Forest fires and various human activities like mining - Construction and developmental projects - Population growth on environment.

*Pollution- types* - global warming - green house effects - ozone layer depletion - acid rain - impact and control measures - environmental monitoring - concept of sustainable development - Role of trees and forests in environmental conservation - control and prevention of air - water and noise pollution - Environmental policy and legislation in India - Environmental Impact Assessment - Economics assessment of watershed development vis-a-vis ecological and environmental protection.

## 15. **Biodiversity** **224-253**

Definition - Objective -components of modeling biodiversity- Ecological role of biodiversity- Diversity and niche structure - Endemism - Rarity of species - biodiversity conservation -conservation measures.

## 16. **Tree Breeding and Improvement** **254-272**

General concept of tree improvement - methods and techniques - variation and its use - provenance - seed source - exotics - quantitative aspects of forest tree improvement - seed production and seed orchards - progeny tests - use of tree improvement in natural forest and stand improvement - genetic testing programming - selection and breeding for resistance to diseases - insects - adverse environment - the genetic base - forest genetic resources and gene conservation in situ and ex-situ. Cost benefit ratio - economic evaluation.

## 17. **Seed Technology** **273-296**

Seed and its importance - assessing harvestable maturity - seed dormancy- seed germination - seed treatment - seed certification- seed act - rules - legislation - New seed policy.

# Section III

## 18. **Forest Management** **297-320**

Objective - Principles - Techniques - Stand structure and dynamics - sustained yield relation - Rotation- Types - Normal forest - Growing stock - Regulation of yield - Management of forest plantations.

## 19. **Forest Working Plan** **321-330**

Definition - Objective - Content of Working Plan - Preparation of Working Plan.

## 20. **Forest Mensuration** **331-362**

Methods of measuring - Diameter - Girth - Height - Volume of trees - Form-factor - Volume estimation of stand - current annual increment - mean annual increment - Sampling methods - sample plots - Yield calculation - Yield table - stand tables.

21. **Remote Sensing** **363-373**  
 Forest cover monitoring through Remote Sensing - Geographic Information Systems for Management - Modeling.
22. **Surveying and Forest Engineering** **374-393**  
 Forest surveying - Different methods of surveying - Maps and map reading - Basic principles of forest engineering - Building materials and construction- Roads and bridges - general principles - objects - types - simple design and construction of timber bridges.

## Section IV

23. **Forest Ecology** **394-415**  
 Biotic and abiotic components - Forest eco-systems - Forest community concepts - Vegetation concepts - Ecological succession and climax - Primary productivity - Nutrient cycling - Water relations - Physiology in stress environments (drought, water logging salinity and alkalinity) - Forest types in India .
24. **Dendrology, Herbaria and Ethnobotany** **416-441**  
 Identification of species - Composition and associations - Dendrology- Taxonomic classification - Principles - Establishment of herbaria and arboreta - Conservation of forest ecosystems - Clonal parks - Role of Ethnobotany in Indian systems of Medicine - Ayurveda and Unani - Introduction - Nomenclature - Habitat distribution and botanical features of medicinal - Aromatic plants - Factors affecting action and toxicity of drug plants and their chemical constituents.
25. **Forest Utilization** **442-469**  
 Timber harvesting and extraction - Transportation - Storage and Sales.
26. **Non Timber Forest Products** **470-497**  
 Definition - Scope - Types - Gums, Resins.
27. **Wood seasoning** **498-511**  
 Definition - Definition - Need and importance - General Principle - Air - Kiln Seasoning - Seasoning defects.
28. **Wood Technology** **512-527**  
 Definition - Properties of wood - Anatomical - Physical- Chemical - Timber Identification
29. **Forest Protection** **528-556**  
 Definition - Injuries to forests - Biotic and abiotic factors - Nature of damage - Preventive and remedial measures.

30.	<b>Wild Life Management</b>	<b>557-576</b>
	Introduction to wild life biology - inter and intra species interaction - animal behaviour - methods of communication - adaptations - wildlife management - values, resources and conservation approaches to wildlife management - Wild life policy and legislation - National Park and Sanctuary - Biosphere Reserves - Agencies in wild life conservation.	
31.	<b>Forest Economics</b>	<b>577-588</b>
	Forest economics - Fundamental principles - Cost-benefit analyses - Estimation of demand and supply - Analysis of trends in the national and international market - Changes in production and consumption patterns - assessment and projection of market structures - Role of private sector and Co-operatives - Role of corporate financing - Socio-economic analyses of forest productivity - attitudes - Valuation of forest goods and service.	
32.	<b>Forest Policy</b>	<b>589-618</b>
	1894 - 1952- 1988 - National Forest Policies - National Agroforestry Policy 2014	
	<b>References</b>	<b>619-621</b>