# Contents

Acknowledgement

Preface  

1 Chapter - I  
Environment and Forest Management  

1.1 Conceptual Framework  
1.1.1 The Environmental Debate: Some Issues and Trends  
1.2 Conservation Focus on Biodiversity  
1.2.1 Conservation Issues  
1.2.2 Threats to Forests: Agricultural Encroachment  
1.3 Equity And Social Issues  
1.3.1 Forest Management Problems  
1.4 Forestry Research And Policy  
1.5 The Environment  
1.6 Cultural Background  
1.7 Nordic Council  
1.7.1 Norway  
1.7.2 Sweden  
1.7.3 Finland  
1.7.4 Denmark  
1.7.5 Iceland  
1.8 Indicators for Sustainable Management  
1.9 The Constraints and Opportunities  
1.10 Cultural Aspects and The International Dimension  
1.11 Conclusion  

2 Chapter - II  
Forest Management Issues  

2.1 Significance of Forests  
2.2 Forest Management  
2.3 Forest Product Demand  
2.4 Environmental Protection and Sustainable Development  
2.5 Plantations  
2.6 Global Carbon Cycle  
2.7 Forest Ecosystems  
2.8 Role of Forests  
2.8.1 Fibre Production  
2.8.2 Water Quality and Quantity  
2.8.3 Biodiversity  
2.8.4 Carbon Storage
4.4.3 Harvesting Data
4.4.4 Management
4.4.5 Harvesting
4.5 Sweden
4.5.1 Introduction
4.5.2 Main Goals of Forest Management
4.5.3 Harvesting Data
4.5.4 Management
4.5.5 Harvesting
4.6 Denmark
4.6.1 Introduction
4.6.2 State of Forests
4.6.3 Conclusion

5 Chapter – V Relevance of Nordic Forest Management in India 198 - 248
5.1 Community Forestry
5.2 Elements of Community Forestry
5.3 Distribution Rights Between Government and Forest Users
5.4 Distribution Rights Among Communities of Forest Users
5.5 Distribution Rights Within Communities of Forest Users
5.6 The Value of Forest Resources
5.7 Neighbouring Communities and Forest Department
5.8 Community-based Organisations for Forest Management
5.9 Differing Levels of Autonomy
5.10 Federations Empowering Local Organisations
5.11 Emerging Partnerships for Forest Management in India
5.12 Agro-forestry
5.13 Natural Forest Regeneration
5.14 Non-timber Forest Products
5.15 Institutional Change and New Collaborative Relationships
5.16 Forest Departments’ Role in Community Forestry
5.17 Institutional Change by Working Groups
5.18 Non-governmental Organisations and Research Institutions
5.18.1 Working with Forest Dependent Communities
5.18.2 Changing Forest Department Orientation
5.18.3 Institutional Linkages
5.19 Conclusion
5.19.1 Important Lessons
5.19.2 Key Challenges
5.19.3 The Path to Sustainable Development
6 Conclusion  Priorities, Opportunities And Constraints  249 - 272

6.1 Possibilities and Opportunities
6.2 Land and Tree Tenure
6.2.1 Countries Using Green Taxes
6.2.2 Lessons Learnt From Eco Tax Leaders
6.2.3 Establishing Tradable Permit Systems
6.3 Policy Recommendations
6.3.1 The Geography of Resource Abuse
6.3.2 The Politics of Resource Abuse

7 Bibliography  273 - 284

Appendix