

लोक सेवा आयोग
नेपाल वन सेवा, बोटानी समूह, राजपत्रांकित प्रथम श्रेणी, सहसचिव वा सो सरह पदको खुला र आन्तरिक
प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

द्वितीय पत्र सेवा सम्बन्धी प्राविधिक विषय

पूर्णाङ्क :- १००

1. Plant Resources and Diversity

- 1.1 Contribution of plant resources for socio-economic development of Nepal
- 1.2 Topography and Vegetation of Nepal in relation to the development planning of plant resources
- 1.3 Status, issues and development of plant resources including of rare, endangered and endemic plants of Nepal
- 1.4 Economic plants of Nepal including Medicinal Plant and its contribution to poverty alleviation
- 1.5 Plant-People relationship in national development
- 1.6 Sustainable management and utilization of plant diversity in the context of Nepal

2. Biotechnology and Bio-safety

- 2.1 Importance and on-going activities
- 2.2 Application of plant tissue culture for mass propagation and productivity
- 2.3 Impact of plant biotechnology on the society and the environment

3. Plant genetic resources

- 3.1 Status of the plant genetic resources in Nepal
- 3.2 Indigenous plant genetic resources and prioritization of important plants for domestication
- 3.3 Study on domestication of medicinal herbs/plants in Nepal
- 3.4 Forest genetic resources
- 3.5 Wild relatives of crop plants in relation to crop improvement
- 3.6 Conservation measures at different levels in national development
- 3.7 National policies and laws

4. International Convention and Treaties particularly the Convention on Biological Diversity, CITES, Ramsar, UN Framework Conservation on Climate Change, and UN Convention to Combat Desertification

- 4.1 Objectives, major highlights and operational strategy
- 4.2 Implementation status and major ongoing works in Nepal
- 4.3 Policy and strategic focus of Nepal on the implementation of above conventions and their protocols
- 4.4 Constraints and opportunities on their effective implementation of the conventions and treaties

5. Non-Timber Forest Product (NTFP), Medicinal and Aromatic Plants (MAPS)

- 5.1 Management, conservation, sustainable use and benefit sharing in Nepal
- 5.2 Constraints and opportunities for NTFP development
- 5.3 National policy and legal framework
- 5.4 Research and Development
- 5.5 Marketing and Trade
- 5.6 Ethnobotanical studies in Nepal
- 5.7 Stakeholders' participation and mobilization in conservation and sustainable use

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6. Herbarium and Plant Research

- 6.1 Development and management of herbaria
- 6.2 Status of National Herbarium in Nepal and its role in plant resources development
- 6.3 Plant Research using herbarium and its utilization in Nepal
- 6.4 Role of National Herbarium in teaching & research in Nepal

7. Botanical Garden

- 7.1 Characteristics and status of Botanic Garden
- 7.2 Botanic garden and its role in conservation
- 7.3 Access to genetic resources and benefit sharing in relation to ex situ conservation
- 7.4 Management approach on botanical garden

8. Cross cutting Issues in Plant Resource Management

- 8.1 Gender and social equity
- 8.2 Concept and Process of monitoring and evaluation
- 8.3 Management information system in Nepal
- 8.4 Institutional and Organizational development for Conservation and utilization Plant resources with special reference to Department of Plant Resources
- 8.5 Protection and utilization of knowledge, innovation and practices of the indigenous communities for conservation and sustainable use of Plant genetic resources
- 8.6 Capacity building for transfer of technology to handle obligation under International convention and treaties
- 8.7 Integrated approach and joint efforts of Botanists, Chemists and Pharmacists for natural product development
- 8.8 Management of inter-disciplinary research activities
- 8.9 Formulation of policies, laws, programmes and projects, and negotiation aspects
- 8.10 Constraints in regulating the plant resources and nature of Act, Rules and guidelines

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