

लोक सेवा आयोग  
नेपाल वन सेवा, नेशनल पार्क्स एण्ड बाइल्ड लाइफ समूह, राजपत्रांकित द्वितीय श्रेणीको खुल्ला र आन्तरिक लिखित परीक्षाको  
पाठ्यक्रम  
द्वितीय पत्र: सेवा समूह सम्बन्धी

**1. Introduction**

- 1.1 Concept and significance of biological diversity
- 1.2 Types of protected areas
- 1.3 Status and trends of wildlife management in various protected areas
- 1.4 Criteria for the selection of protected areas
- 1.5 National Biodiversity Action Plan
- 1.6 National Biodiversity Database

**2. Biodiversity status of Nepal**

- 2.1 Biodiversity profile of Nepal
- 2.2 Distribution, status and population trend of various flora and fauna in Nepal
- 2.3 Plant ecology and forest types of Nepal
- 2.4 Protected and alien species
- 2.5 Threats to biodiversity
- 2.6 INGO's, NGO's and CBO's in conservation
- 2.7 Gap analysis

**3. Approaches to Biodiversity Conservation**

- 3.1 Principles of Conservation Biology
- 3.2 Gene and Species Conservation
- 3.3 Ecosystem Approach to Conservation
- 3.4 Landscape and Eco-region Approach
- 3.5 In-situ and Ex-situ Conservation
- 3.6 Trans-boundary issues and solution
- 3.7 Species Action Plan
- 3.8 Domestic Elephant Management

**4. Protected Area Planning**

- 4.1 Levels of planning (Long term, mid term, short term, master/system plan, management plan and site plan)
- 4.2 Planning steps
- 4.3 Components of a plan
- 4.4 Management consideration for biodiversity conservation (Zoning, corridor and connectivity, Buffer Zone Island theory, Metapopulation )
- 4.5 Management plan models (regional and national)
- 4.6 Logical framework application (Monitoring indicators and means of verification)
- 4.7 New trends in wildlife crime and anti poaching strategy

**5. Protected Area management**

- 5.1 Current research approaches
- 5.2 Assessment of research gaps and prioritization
- 5.3 Research methodology for population ecology, habitat use and park-people interaction
- 5.4 Methods of wildlife census
- 5.5 Research needs identification and research design
- 5.6 Translocation
- 5.7 Wildlife medication and problem animal management
- 5.8 Orphan management
- 5.9 Watershed management
- 5.10 Wet land management
- 5.11 Habitat management

**6. Human dimensions in biodiversity conservation**

- 6.1 Parks and people in interaction and its impact on conservation
- 6.2 Conflict management
- 6.3 Sustainable utilization
- 6.4 Community mobilization in conservation and awareness
- 6.5 Culture and conservation

**7. Economics of protected area**

- 7.1 Value adding to the biological resources
- 7.2 Nature based eco-tourism

**8. Convention and its implementation**

- 8.1 Global and regional conservation policies and conventions
- 8.2 Implementation of CBD, RAMSAR, CITES, WORLD HERITAGE and GTF in Nepalese context

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