



National Trust for Nature Conservation
Curriculum for the Post of Conservation Officer

Job Title: Conservation Officer

Level: O1

Basic Qualification: Master's Degree in Ecology/ Forestry / Zoology/ Botany / Environmental Science / Natural Resource Management

General Information:

- All questions will be subjective.
- Questions should cover almost all the units.
- Answers must be written in English.
- When a candidate successfully passes the written exam, he/she will then be eligible to participate in the interview.
- The candidate must obtain at least 70% marks.
- The candidate will be selected on merit basis.
- Notwithstanding anything contained in the curriculum below, candidates are required to update themselves with Act and Rules that have been amended at least three months prior to the examination.

For written exam

Full Marks: 100

Pass Marks: 70%

Language: English

Examination Scheme

Subject	Examination system	No. of questions	Weightage	Time
A. Natural Resource Management	Subjective (Fact Based)	8	10*10 = 100	3 hours
B. Organization and Management		2		

Interview (25 marks)

1. **Academic Qualification** - 5 marks
A candidate's score in academic qualification will have points.
(Distinction – 5, First Division – 3, Second Division – 2)
2. **Interview and Personality Test** – 20 marks
(Content – 15, Personality test – 5)

A. Natural Resource Management

- **Biodiversity Conservation**
 - Concept and significance of biodiversity
 - National and International Commitments including relevant policies, strategies, and plans
 - Nepal's biodiversity and its significance
 - Ecosystem Diversity
 - Species diversity
 - Genetic diversity
 - Major threats to biodiversity conservation
 - *In-situ* and *Ex-situ* conservation
 - Distribution, status, and population trend of various flora and fauna in Nepal
 - Landscape and eco-region approach
 - Trans-boundary cooperation

- Protected Area Management
 - Concepts and approaches to Protected Area Management System
 - Status and classification of Protected Areas in Nepal (National Park, Conservation Area, Hunting reserve, Wildlife Reserve, Buffer Zone etc.)
 - Habitat management
 - Principles and practice of nature-based tourism and visitors management
 - Wildlife monitoring
 - Wildlife crime
 - Human Dimensions in Biodiversity Conservation
 - ICDP approaches to managing conservation areas
 - Human-Wildlife Conflict/Co-Existence
 - Community engagement in conservation and awareness
 - Culture and Conservation
 - Conservation education
- Soil Conservation and Watershed Management
 - Soil types, formation and profile, physical and chemical properties and classification
 - Land use and land capability classification
 - Concept of the hydrological cycle
 - Types of soil erosions and their preventive and control measures
 - Soil and water conservation structures
 - Bioengineering, Soil fertility and indigenous soil fertility management practices in Nepal
 - Concept and approaches to sustainable watershed management
 - Interrelationship between forestry, agriculture, livestock, and development infrastructure activities with respect to sustainable watershed management
- Climate Change
 - Concepts and approaches to climate change
 - Adaptation and mitigation measures
 - Global and national initiatives in climate change
 - Climate Finance
- Cross-Cutting areas
 - GESI
 - Governance
- Research Methodology
 - Scientific Methods and Research: Concept, Definitions of research; Purpose, importance, different paradigms of research, types
 - Data, methods of data collection
 - Biodiversity assessment
 - Social survey methods Socio-economic and environmental impact assessment of natural resources
 - Scoping the TOR
 - Environment monitoring and auditing
- Project development
 - Project planning cycle
 - Monitoring, Evaluation and Learning

B. Organization and Management

- Fundamental aspects of organization
- Meaning, Principles and Importance
- Forms of organization
- Organizational structure and procedure
 - Organization Structure
 - Organizational environment
 - Authority, Accountability, and Responsibility

- Organization structure and functions of NTNC
- Administrative systems, rules, and procedures of NTNC