

Nepal Open University
Faculty of Science, Health & Technology
Manbhawan, Lalitpur

Syllabus for Entrance Examination

Program: Master Degree in Natural Resource and Development (NRD)

Eligibility: Applicant must have completed Bachelor's Degree (at least three years) or equivalent in any discipline related to basic or natural sciences or engineering from a recognized university;

or

Bachelor's degree in other disciplines such as humanities, arts, management, development studies with one year diploma on Natural Resource Management or Development related subjects.

or

Bachelor's degree in other disciplines with an evidence of a minimum five years working experience in government sector, academic institutions, development organizations in Natural Resources or Development fields.

Among the eligible candidates, applicants are selected from a merit list of entrance examination conducted by the NOU.

Evaluation Modality: Written test and Interview

1. **Written Exam - 80%**
2. **Interview - 20%**

Full marks for written exam	100
Group A Multiple Choice Questions (MCQs)	50
Group B Subjective	50
Time	3 hours
Group A: Multiple Choice Questions (MCQs)	
Basic Science - 10	Fundamentals concepts of science and its application; plant and wildlife ecology and ecosystems; biodiversity; water, air, soil, and noise pollution; environmental degradation, ozone layer depletion, acid rain, climate change, disaster, basic concept of landscape engineering etc.
Natural Resources - 20	Natural resources and its importance; usages of natural resources; ecosystem services; agriculture, forest, water and land resources; degradation/exploitation of natural resources; conservation of resources; act, policies and regulations related to natural resources, etc
Social Science and Development -	Society, culture, and economic value of resources, basic

10	concept of development, urban and rural development, political and social change and social development, conflict in management of natural resources, ecotourism, poverty dynamics and contribution of NR in eradicating rural poverty, landscape planning, etc
General Knowledge - 5	United Nations Sustainable Development Goals, Intergovernmental Panel on Climate Change (IPCC), Global issues on natural resources, periodic plans, development practices in Nepal
Research and IT - 5	Research methods, data collection tools and techniques, analysis, case studies and research report writing and basic knowledge of MS-office, email, internet, webinars
<p>Group B Subjective (Area: Basic Science, Environment and Natural Resources, Social Science and Development, General Knowledge, Research/IT)</p> <p>1. Analytical question - $15 \times 2 = 30$ Marks Model question: a. After the federal, local governments are empowered and have authority to formulate policy and plans, how can you justify that interventions of proper utilizing of natural resources by local government will contribute in sustainable development in Nepal?</p> <p>2. Short Question – $5 \times 4 = 20$ Marks Model question: b. What are major issues of natural resources management in Nepal? List out at least five issues.</p>	

Topic wise questions

Types of questions	Basic science	Natural resources	Social science and development	General knowledge	Research and IT	Total questions
Long		1	1			2
Short	1	1	1	1	1	5
Multiple choice	10	20	10	5	5	50