

द्वितीय पत्र :- प्राविधिक विषय

1. Historical Introduction

- 1.1 Historical background of Department of Mines and Geology, its objective, role and activities.
- 1.2 Historical background of mineral exploration including petroleum, mining and mineral based industries in Nepal

2. Geology

- 2.1 Geology and present status of Geological Maps of Nepal.
- 2.2 Review of international parameters of Geological maps and possibility of its implementation for upgrading and improvement of Geological maps of Nepal
- 2.3 Status of Engineering and Environment Geology of Nepal

3. Mineral Resources exploration and Exploitation

- 3.1 Present status of exploration of mineral resources in Nepal for metallic, nonmetallic fuel/energy mineral, precious, semiprecious minerals, construction materials
- 3.2 Potential area for mineral exploration and development of metal, nonmetal, energy minerals, precious semiprecious minerals, construction minerals and petroleum
- 3.3 Problems, issues, constraints, and challenges for exploration work of mineral resources including petroleum in Nepal and their remedial measures
- 3.4 Present Status of mineral exploitation, development and promotion of mineral based industries
- 3.5 Problem, issues, constrains, and challenges for mining and mineral based industries in Nepal and their remedial measures
- 3.6 Role of mineral resources development minerals based industries on economy of the country
- 3.7 Role of mineral resources development in other sector's development activities such as poverty alleviation, rural development, employment generation, development of infrastructure, agriculture and hydropower

लोक सेवा आयोग

नेपाल इन्जिनियरिङ्ग सेवा, माइनिङ्ग इन्जिनियरिङ्ग समूह, राजपत्राङ्कित प्रथम श्रेणी, सहसचिव वा सो सरह पदको खुला तथा आन्तरिक प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

4. Environment in mining industry

- 4.1 Consideration of environmental issues in mines and mining industry for sustainable development of the country.
 - 4.1.1 Conservation of minerals resources
 - 4.1.2 Land reclamation and rehabilitation
 - 4.1.3 Waste disposal management
 - 4.1.4 Health and safety

5 Mine management

- 5.1 Identification of mining project, project planning, project formulation, project appraisal, Monitoring and Evaluation of the mining projects.
- 5.2 Mine management, leadership, decision making and contract negotiation in mining projects including petroleum.
- 5.3 Resources Management including financial and human resources development to fulfilling mining industry

6 Government Policies, Strategies and Programs

- 6.1 Industrial policy, foreign investment policy in mining including petroleum and mineral based industry.
- 6.2 Strategy for promotion and development of mining and construction material including petroleum and mineral based industry.
- 6.3 Infrastructure development strategy to enhance development of mineral industry.
- 6.4 Royalty, taxation policy of the Government in mining including petroleum exploration and development of the country.
