

## लोक सेवा आयोग

नेपाल इन्जिनियरिङ्ग सेवा, जियोलोजी समूह, जनरल जियोलोजी उप-समूह राजपत्राङ्कित प्रथम श्रेणी, सहसचिव वा सो सरह पदको खुला र आन्तरिक प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

### द्वितीय पत्र :- प्राविधिक विषय

#### 1. Introduction

1. Historical background of Department of Mines and Geology its objective and role
2. Geology of Nepal and Present Status of Geological Mapping in Nepal

#### 2. Mineral Resources Exploration

1. Mineral Resources in Nepal and Present Status of Mineral Exploration in Nepal for Metallic, Non-Metallic and Energy Minerals and Construction Materials
2. Potential area for Exploration and Exploration Techniques

#### 3. Mineral Resources Development and Exploitation

1. Mineral Exploration and Mining History
2. Feasibility Studies and Promotion of Mineral Based Industries
3. Potential areas for Mineral Exploitation and Development
4. Mineral Prospects/Deposits, Present Status and Possibilities for Development
5. Mines and Mineral Based Industries: Present Status, Problems, Issues and Constraints and Remediation
6. Petroleum Exploration History, Present Status, Issues and Constraints
7. Petroleum Exploration Programme and Future Strategy for Promotion

#### 4. Policies, Program and Activities

1. Government Policies, Strategy and Programs to Mineral Resources Development, Promotion of Mineral Based Industries from Government and Private Sectors.
  1. Periodical Plan, Program and Achievements
2. Importance of Mineral Resources and Contribution from Mineral Based Industries in National Economic Development of the Country.
3. Problems and Constraints Faced in Operation of Mines and Mineral Based Industries and Solutions to Overcome the Present Issues.
4. Conservation and Utilization of Mineral Resources for Sustainable Development

## लोक सेवा आयोग

नेपाल इन्जिनियरिङ्ग सेवा, जियोलोजी समूह, जनरल जियोलोजी उप-समूह राजपत्राङ्कित प्रथम श्रेणी, सहसचिव वा सो सरह पदको खुला र आन्तरिक प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

### 5.Importance of Geosciences in National Development

1. Importance of Geo-Scientific Information in Infrastructure Development Planning, Land use Planning Disaster Management and Hazard Mitigation
2. Engineering, Environmental and Urban Geological Investigation in Nepal
3. Seismic studies and Potential Risk from Earthquake in Nepal
4. Surface and Groundwater Resources Development and Management

### 6.Project, Planning and Evaluation

1. Project Identification, Project Formulation, Appraisal, Implementation, Supervision, Monitoring and Evaluation
2. Project Planning, Budgeting and Resources Mobilization
3. Project Management, Leadership, Decision Making and Contract Negotiation
4. National Goal, Purpose, Policies, Program, Activities and Inputs for 10th Plan to Develop Mineral Sector
5. Common Features of a Mineral Resources and Development Projects
6. Project Reporting \_\_\_\_\_