

लोक सेवा आयोग  
नेपाल इन्जिनियरिङ्ग सेवा, जियोलोजी समूह, जनरल जियोलोजी उप-समूह राजपत्राङ्कित प्रथम श्रेणीको  
(खुला र आन्तरिक प्रतियोगिता) लिखित परीक्षाको पाठ्यक्रम

**द्वितीय पत्र :- प्राविधिक विषय**

1. Introduction
  - 1.1 Historical background of Department of Mines and Geology its objective and role
  - 1.2 Geology of Nepal and Present Status of Geological Mapping in Nepal
2. Mineral Resources Exploration
  - 2.1 Mineral Resources in Nepal and Present Status of Mineral Exploration in Nepal for Metallic, Non-Metallic and Energy Minerals and Construction Materials
  - 2.2 Potential area for Exploration and Exploration Techniques
3. Mineral Resources Development and Exploitation
  - 3.1 Mineral Exploration and Mining History
  - 3.2 Feasibility Studies and Promotion of Mineral Based Industries
  - 3.3 Potential areas for Mineral Exploitation and Development
  - 3.4 Mineral Prospects/Deposits, Present Status and Possibilities for Development
  - 3.5 Mines and Mineral Based Industries: Present Status, Problems, Issues and Constraints and Remediation
  - 3.6 Petroleum Exploration History, Present Status, Issues and Constraints
  - 3.7 Petroleum Exploration Programme and Future Strategy for Promotion
4. Policies, Program and Activities
  - 4.1 Government Policies, Strategy and Programs to Mineral Resources Development, Promotion of Mineral Based Industries from Government and Private Sectors.
    - Ninth Five year Plan, Program and Achievements
    - Tenth Five year Plan, Program and Anticipated Outcome
  - 4.2 Importance of Mineral Resources and Contribution from Mineral Based Industries in National Economic Development of the Country.
  - 4.3 Problems and Constraints Faced in Operation of Mines and Mineral Based Industries and Solutions to Overcome the Present Issues.
  - 4.4 Conservation and Utilization of Mineral Resources for Sustainable Development
  - 4.5

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- 5 Importance of Geosciences in National Development
    - 5.1 Importance of Geo-Scientific Information in Infrastructure Development Planning, Land use Planning Disaster Management and Hazard Mitigation
    - 5.2 Engineering, Environmental and Urban Geological Investigation in Nepal
    - 5.3 Seismic studies and Potential Risk from Earthquake in Nepal
    - 5.4 Surface and Groundwater Resources Development and Management
  - 6 Project, Planning and Evaluation
    - 6.1 Project Identification, Project Formulation, Appraisal, Implementation, Supervision, Monitoring and Evaluation
    - 6.2 Project Planning, Budgeting and Resources Mobilization
    - 6.3 Project Management, Leadership, Decision Making and Contract Negotiation
    - 6.4 National Goal, Purpose, Policies, Program, Activities and Inputs for 10<sup>th</sup> Plan to Develop Mineral Sector
    - 6.5 Common Features of a Mineral Resources and Development Projects
    - 6.6 Project Reporting
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