

लोक सेवा आयोग

नेपाल विविध सेवा, राजपत्राङ्कित तृतीय श्रेणी, भूगोलशास्त्री पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

यस पाठ्यक्रम योजनालाई दुई चरणमा विभाजन गरिएको छ :

प्रथम चरण :-	लिखित परीक्षा (Written Examination)	पूर्णाङ्क :- २००
द्वितीय चरण :-	(क) सामूहिक परीक्षण (Group Test)	पूर्णाङ्क :- १०
	(ख) अन्तर्वार्ता (Interview)	पूर्णाङ्क :- ३०

**परीक्षा योजना (Examination Scheme)**

प्रथम चरण : लिखित परीक्षा (Written Examination)

पूर्णाङ्क :- २००

पत्र	विषय	खण्ड	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली		प्रश्नसंख्या × अङ्क	समय
प्रथम	General Subject	Part I: General Awareness & General Ability Test	१००	४०	वस्तुगत (Objective)	बहुवैकल्पिक प्रश्न (MCQs)	५० प्रश्न × १ अङ्क	१ घण्टा ३० मिनेट
		Part II: General Technical Subject					५० प्रश्न × १ अङ्क	
द्वितीय	Technical Subject		१००	४०	विषयगत (Subjective)	छोटो उत्तर लामो उत्तर	४ प्रश्न × ५ अङ्क ८ प्रश्न × १० अङ्क	३ घण्टा

द्वितीय चरण : सामूहिक परीक्षण (Group Test) र अन्तर्वार्ता (Interview)

पूर्णाङ्क :- ४०

पत्र / विषय	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली	समय
सामूहिक परीक्षण (Group Test)	१०		सामूहिक छलफल (Group Discussion)	३० मिनेट
अन्तर्वार्ता (Interview)	३०		बोर्ड अन्तर्वार्ता (Board Interview)	-

**द्रष्टव्य :**

- लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुनेछ।
- प्रथमपत्र र द्वितीयपत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ।
- वस्तुगत बहुवैकल्पिक (Multiple Choice) प्रश्नहरूको गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २० प्रतिशत अङ्क कट्टा गरिनेछ। तर उत्तर नदिएमा त्यस बापत अङ्क दिइने छैन र अङ्क कट्टा पनि गरिने छैन।
- बहुवैकल्पिक प्रश्नहरू हुने परीक्षामा कुनै प्रकारको क्याल्कुलेटर (Calculator) प्रयोग गर्न पाइने छैन।
- विषयगत प्रश्नहरूको हकमा तोकिएको अंकको एउटा लामो प्रश्न वा एउटै प्रश्नका दुई वा दुई भन्दा बढी भाग (Two or more parts of a single question) वा एउटा प्रश्न अन्तर्गत दुई वा बढी टिप्पणीहरू (Short notes) सोध्न सकिने छ।
- द्वितीय पत्रमा (विषयगत प्रश्न हुनेका हकमा) प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तरपुस्तिकाहरू हुनेछन्। परिक्षार्थीले प्रत्येक खण्डका प्रश्नहरूको उत्तर सोही खण्डको उत्तरपुस्तिकामा लेख्नुपर्नेछ।
- यस पाठ्यक्रम योजना अन्तर्गतका पत्र/विषयका विषयवस्तुमा जेसुकै लेखिएको भए तापनि पाठ्यक्रममा परेका कानून, ऐन, नियम तथा नीतिहरू परीक्षाको मिति भन्दा ३ महिना अगाडि (संशोधन भएका वा संशोधन भई हटाईएका वा थप गरी संशोधन भई) कायम रहेकालाई यस पाठ्यक्रममा परेको सम्झनु पर्दछ।
- प्रथम चरणको परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ।
- यस भन्दा अगाडि लागू भएका माथि उल्लेखित सेवा, समूहको पाठ्यक्रम खारेज गरिएको छ।
- पाठ्यक्रम लागू मिति : - २०७६/०७/२५

**प्रथम पत्र (Paper I): General Subject**

**Part (I) : - General Awareness & General Ability Test (50 Marks)**

1. **General Awareness and Contemporary Issues (25 ×1 Mark = 25 Marks)**
  - 1.1 Physical, socio-cultural and economic geography and demography of Nepal
  - 1.2 Major natural resources of Nepal
  - 1.3 Geographical diversity, climatic conditions, and livelihood & lifestyle of people
  - 1.4 Notable events and personalities, social, cultural and economic conditions in modern history of Nepal
  - 1.5 Current periodical plan of Nepal
  - 1.6 Information on sustainable development, environment, pollution, climate change, biodiversity, science and technology
  - 1.7 Nepal's international affairs and general information on the UNO, SAARC & BIMSTEC
  - 1.8 The Constitution of Nepal (From Part 1 to 5 and Schedules)
  - 1.9 Governance system and Government (Federal, Provincial and Local)
  - 1.10 Provisions of civil service act and regulation relating to constitution of civil service, organisational structure, posts of service, fulfillment of vacancy and code of conduct
  - 1.11 Functional scope of public services
  - 1.12 Public Service Charter
  - 1.13 Concept, objective and importance of public policy
  - 1.14 Fundamentals of management : planning, organizing, directing, controlling, coordinating, decision making, motivation and leadership
  - 1.15 Government planning, budgeting and accounting system
  - 1.16 Major events and current affairs of national and international importance
2. **General Ability Test (25 ×1 Mark = 25 Marks)**
  - 2.1 **Verbal Ability Test (8×1 Mark = 8 Marks)**

Jumble words, Series, Analogy, Classification, Coding-Decoding, Matrix, Ranking Order Test, Direction and Distance Sense Test, Common Sense Test, Logical Reasoning, Assertion and Reason, Statement and Conclusions
  - 2.2 **Numerical Ability Test (9×1 Mark = 9Marks)**

Series, Analogy, Classification, Coding, Arithmetical reasoning/operation, Percentage, Ratio, Average, Loss & Profit, Time & Work, Data interpretation & Data verification
  - 2.3 **Non-verbal/Abstract Ability Test (8×1 Mark = 8 Marks)**

Figure Series, Figure Analogy, Figure Classification, Figure Matrix, Pattern Completion/Finding, Analytical Reasoning Test, Figure Formation and Analysis, Rule Detection, Water images, Mirror images, Cubes and Dice & Venn-diagram

**Part (II) : - General Technical Subject (50 Marks)**

- 1. Geographical Thought** **26%**
- 1.1 Spatial Organization and Pattern
    - 1.1.1 Spatial organization
    - 1.1.2 Interdependencies between places and scales
    - 1.1.3 The spatial environment (Distance-absolute, relative, cost perceived and social)
  - 1.2 Geographic Contribution
    - 1.2.1 Greek and the Romans
    - 1.2.2 Arabs
    - 1.2.3 Germany, France, Great Britain, Russia and USA
  - 1.3 Concept and Approaches of geography
    - 1.3.1 Concepts- Determinist, Possibilism, Neo-determinism
    - 1.3.2 Approaches- Behavioral, Humanistic Radical
    - 1.3.3 Regional concepts
  - 1.4 Models and Trends in Geography
    - 1.4.1 Models – Types, Theoretical Framework
    - 1.4.2 Recent Trends:
    - 1.4.3 Geography and Development
  - 1.5 Development of Geography in Nepal
    - 1.5.1 Development of academic discipline
    - 1.5.2 Development of Institutions and organizations
- 2. Geomorphology** **24%**
- 2.1 Concepts and approaches
    - 2.1.1 Concepts
    - 2.1.2 The geomorphic systems
    - 2.1.3 Geomorphic scale
    - 2.1.4 Models of morphologic evolutionary system
  - 2.2 Diastrophism and denudation
    - 2.2.1 Global tectonics
    - 2.2.2 Denudation and Isostasy
    - 2.2.3 Hillslope stratigraphy, form and evolution
    - 2.2.4 Mass wasting
  - 2.3 Drainage basins, fluvial processes and landforms
    - 2.3.1 Drainage basin Morphometry and its control
    - 2.3.2 Drainage basin evolution and response
    - 2.3.3 River channel morphology and its stability
    - 2.3.4 Fluvial landforms
  - 2.4 Glacial and Periglacial Processes and Landforms
    - 2.4.1 Glacial erosion, transportation and deposition processes
    - 2.4.2 Glacial landforms
    - 2.4.3 Permafrost and associated features
    - 2.4.4 Frost action and associated features
  - 2.5 Morphogenetic and polygenetic landforms and applied geomorphology
    - 2.5.1 Morphogenetic regions
    - 2.5.2 Climate change and its geomorphic effects
    - 2.5.3 Application of geomorphology in different fields
    - 2.5.4 Hazard assessment and land development

3. **Settlement Geography** **26%**
- 3.1 Introduction.
    - 3.1.1 Concept of Settlement Geography
    - 3.1.2 Approaches to Settlement Geography
  - 3.2 Classification of Settlements by Size and Function.  
Isolated Dwelling, Hamlet, Village, Town, City, Metropolis/ Conurbation and Megalopolis.
  - 3.3 Location and Morphological characteristics of Rural Settlement.
    - 3.3.1 Factors for location of Settlement
    - 3.3.2 Village forms.
    - 3.3.3 Types and Pattern of Rural Settlement.
  - 3.4 Settlement System.
    - 3.4.1 Rank Size Rule.
    - 3.4.2 Law of Primacy.
    - 3.4.3 Central Place Theory.
  - 3.5 Urban Structure, Urbanization and Interaction.
    - 3.5.1 Concept of Basic and Non Basic Function.
    - 3.5.2 Concept of Urban Fields and its indicators for the delineation of Urban Field.
    - 3.5.3 Urban Land Use Theory: Concentric Zone Theory, Sector Theory and Multiple Nuclei Theory.
    - 3.5.4 Urbanization: Process, Pattern, Trend and Problem.
4. **Research Techniques/Cartography/Remote Sensing/Geographical Information System** **24%**
- 4.1 Research Techniques
    - 4.1.1 Scientific inquiry, issues, ethics
    - 4.1.2 Types - descriptive, explorative, case study
    - 4.1.3 Theory (deduction/induction) / models, hypothesis / assumptions and generalizations
    - 4.1.4 Research designs, data sources, data collection methods, and survey tools
    - 4.1.5 Data processing, analysis and report writing
  - 4.2 Quantitative Methods
    - 4.2.1 Descriptive measures
    - 4.2.2 Spatial measures
    - 4.2.3 Sampling types, methods and designs
    - 4.2.4 Probability functions and distribution
    - 4.2.5 Statistical analysis and inference
  - 4.3 Geographic Information System (GIS)
    - 4.3.1 Concept, scopes and functions
    - 4.3.2 Data structures
    - 4.3.3 Data acquisition
    - 4.3.4 Spatial database design and management
    - 4.3.5 Spatial analysis and outputs
  - 4.4 Remote Sensing (RS)
    - 4.4.1 Concept, energy interaction and spectral characteristics
    - 4.4.2 Satellites and sensors - resolution sensor types & their applications
    - 4.4.3 Aerial photography: concepts and interpretation
    - 4.4.4 Classification of satellite data and verification methods: field visit and GPS

- 4.4.5 Applications and analysis: change, modeling, and suitability & capability
- 4.5 Cartographic Techniques
  - 4.5.1 Concept and uses
  - 4.5.2 Map types (scale map, social mapping & sketch map), map elements and map interpretation, analogue and digital mapping
  - 4.5.3 Map verification and construction methods (surveying, GPS, RS)
  - 4.5.4 Cartographic methods & types– manual/computer, thematic map, qualitative & quantitative, graduation, grey tone pattern, colour, hachuring
  - 4.5.5 Map reproduction tools and analysis (density, poverty and resource mapping)