

लोक सेवा आयोग  
नेपाल विविध सेवा, राजपत्राङ्कित तृतीय श्रेणी, भूगोलशास्त्री पदको खुला प्रतियोगितात्मक लिखित परीक्षाको  
पाठ्यक्रम  
द्वितीय पत्र (Paper II): Technical Subject

**Section A- 20 Marks**

- 1. Human Ecology** **20%**
- 1.1 Basic Concepts and Theories of Man and Habitat Relationships**
- 1.1.1 Ecosystem relationships, food chain, energy flow model, population, human physiological responses, social and cultural adjustments
  - 1.1.2 Environmental determinism, possibilism, Neo-determinism, approaches of human ecology
- 1.2 Human Population Ecology**
- 1.2.1 Population Interaction and Composition
  - 1.2.2 Population Growth and Regulation,
  - 1.2.3 Human Carrying Capacity
- 1.3 Mountain Human Ecology**
- 1.3.1 Characteristics of Mountain Ecological System
  - 1.3.2 Adaptation to Hypoxia and Cold-stress
  - 1.3.3 Adaptation to Mountain Landscape and Adaptation Strategies
  - 1.3.4 Adjustment/Mitigation to Mountain Hazards
- 1.4 Human Impact on Mountain Environment and Study of Selected Ethnic Groups**
- 1.4.1 Major Sources of Human Impact: increasing population,
  - 1.4.2 Preservation of Mountain Environment
  - 1.4.3 Study of Sharpa, Gurung and Tharu

**Section B- 20 Marks**

- 2. Geography of Nepal** **20%**
- 2.1 Landscape Pattern and Natural Resources/Environment Aspects**
- 2.1.1 Landscape Pattern-Physiography, Climate and Bio-diversity
  - 2.1.2 Natural Resources
  - 2.1.3 Issues on Natural Resource Management
  - 2.1.4 Land Use Pattern
- 2.2 Agriculture Pattern and Problems**
- 2.2.1 Access to land resources
  - 2.2.2 Cropping pattern, productivity and requirements
  - 2.2.3 Farm size, Land Security and Landlessness
- 2.3 Trade, Transport, Industry and Tourism**
- 2.3.1 Trade
  - 2.3.2 Transport
  - 2.3.3 Industries
  - 2.3.4 Tourist Resources, Types of Tourism
  - 2.3.5 Impact of Tourism
  - 2.3.6 Policy, Problems and Issues on Tourism Development
- 2.4 Evolution of Settlement Planning and Development**
- 2.4.1 Urbanization in Nepal
  - 2.4.2 Rural Settlement and Issues of Development
  - 2.4.3 Regionalization
  - 2.4.4 Development Strategies, Programme and Planning

### Section C- 20 Marks

3. **Population Geography** 20%
- 3.1 **Approaches and Application**
- 3.1.1 Contemporary approaches
  - 3.1.2 Geographic pattern of population growth
  - 3.1.3 Population Distribution and Density
- 3.2 **Demographic Theories**
- 3.2.1 Population Growth and Environment Change
  - 3.2.2 Classical Theories
  - 3.2.3 Demographic Transition and its Relevant to Developing Countries
- 3.3 **Territorial Mobility**
- 3.3.1 Typology of Population Mobility
  - 3.3.2 Theories of Migration (Lee, Zelinsky, Todaro)
  - 3.3.3 Migration and Urbanization
- 3.4 **Migration Pattern and Trends in Nepal**
- 3.4.1 Internal
  - 3.4.2 International
  - 3.4.3 Implications of Population Migration

### Section D- 40 Marks

4. **Rural Development Planning** 20%
- 4.1 **Introduction**
- 4.1.1 Concept of rural areas and rural settings
  - 4.1.2 Planning in developing countries – concept, issues, types and levels of planning
  - 4.1.3 Elements of planning
  - 4.1.4 Changing thoughts of development planning
- 4.2 **Development planning models**
- 4.2.1 Economic development models: stages of development, urban-industrial model, labour surplus models (agricultural versus industrial sectors), dualisms
  - 4.2.2 Dependency theory, import substitution model, basic need approach, self-help approach, self-sufficiency approach (Gandhian model, food security), livelihood strategies (trade-off between indigenous skills and natural resources and features)
  - 4.2.3 Spatial development models: centre-periphery, growth pole, integrated rural development / Rohovot approach, Agropolitan model, market towns in rural development
- 4.3 **Rural Development Issues in Less-Developing Countries**
- 4.3.1 Growth versus equity
  - 4.3.2 Growth and development
  - 4.3.3 Features and constraints of planning in Resources access and distribution
  - 4.3.4 Settlement patterns in rural development
  - 4.3.5 Development yardstick measures– economic versus social
  - 4.3.6 Conflicts in local resources use
  - 4.3.7 Legal and regulatory framework planning

**4.4 Rural Development Approaches and Planning Practices**

- 4.4.1 Capitalist versus socialist
- 4.4.2 Centralized versus decentralized
- 4.4.3 People-oriented versus area-oriented
- 4.4.4 Sectoral versus Integrated/Holistic
- 4.4.5 Top-down versus bottom-up, and hybrid
- 4.4.6 Spatial decentralized approach – service centre
- 4.4.7 Rural Development Planning Practices in developing countries – case examples

**5. Agricultural Geography 20%**

**5.1 Concepts and Approaches in Agricultural Geography**

- 5.1.1 Definition, Nature, Scope and Significance
- 5.1.2 Concepts and Approaches

**5.2 Models and Techniques of Agricultural Geography**

- 5.2.1 Models- Classification of Models, Economic Descriptive Simplified Locational, Conceptual, Land Capability and Diffusion of Techniques, Innovation.
- 5.2.2 Normative, Empirical, Single Element, Statistical.
- 5.2.3 Agricultural Regionalization

**5.3 Determinates of Agriculture Development**

- 5.3.1 Physical Determinants
- 5.3.2 Non-Physical Determinants

**5.4 Agricultural Systems in the World**

- 5.4.1 Classification of World Agriculture
  - 5.4.2 Ecological or Near Ecological System of Agriculture
  - 5.4.3 Agriculture Systems in Nepal.
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**नेपाल विविध सेवा, राजपत्राङ्कित तृतीय श्रेणी, भूगोलशास्त्री पदको खुला प्रतियोगितात्मक लिखित परीक्षाको**  
**पाठ्यक्रम**

प्रथम चरणको लिखित परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र  
लिइने **सामूहिक परीक्षण (Group Test)** को लागि

**सामूहिक छलफल (Group Discussion)**

यस प्रयोजनको लागि गरिने परीक्षण १० पूर्णाङ्क र ३० मिनेट अवधिको हुनेछ जुन नेताविहिन सामूहिक छलफल (Leaderless Group Discussion) को रूपमा अवलम्बन गरिने छ । दिइएको प्रश्न वा Topic का विषयमा पालैपालोसँग निर्दिष्ट समयभित्र समूहबीच छलफल गर्दै प्रत्येक उम्मेदवारले व्यक्तिगत प्रस्तुति (Individual Presentation) गर्नु पर्नेछ । यस परीक्षणमा मूल्याङ्कनको लागि देहाय अनुसारको ३ जनाको समिति रहनेछ ।

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|-------------------------|---|---------|
| आयोगका अध्यक्ष वा सदस्य | - | अध्यक्ष |
| मनोविज्ञ                | - | सदस्य   |
| दक्ष/विज्ञ (१ जना)      | - | सदस्य   |

**सामूहिक छलफलमा दिइने नमूना प्रश्न वा Topic**

उदाहरणको लागि - उर्जा संकट, गरीबी निवारण, स्वास्थ्य बीमा, खाद्य सुरक्षा, प्रतिभा पलायन जस्ता Topics मध्ये कुनै एक Topic मात्र दिइनेछ ।