

लोक सेवा आयोग
नेपाल इन्जिनियरिङ्ग सेवा, सिभिल समूह, विल्डिङ्ग एण्ड आर्किटेक्ट उपसमूह, रा.प.द्वितीय श्रेणी, खुला र आन्तरिक
प्रतियोगितात्मक परीक्षाको पाठ्यक्रम
द्वितीय पत्र

Technical Subject (Civil Engineering – Building & Architect)

Section (A)

1. Building and Architecture

1.1 Building

- 1.1.1 Vernacular building materials and technology in Nepal
- 1.1.2 Climatology and building form
- 1.1.3 Local and modern building construction in Nepal
- 1.1.4 National Building Code of Nepal
- 1.1.5 Green Building and Certification Mechanisms
- 1.1.6 Present status of government office building in Nepal and the need for standardization
- 1.1.7 Prospects and challenge for maintenance and rehabilitation of government buildings
- 1.1.8 Evaluation of building construction technology in Nepal and its relation to modern engineering
- 1.1.9 Efforts in development intermediate and high technology in building design and construction and its effects in the development process of Nepal

1.2 Architecture

- 1.2.1 Architectural theory
- 1.2.2 Vernacular Architecture: practices, methods and evolution
- 1.2.3 Culture and Architecture: Building in the context of heritage conservation
- 1.2.4 Architecture of Ancient, Malla, Rana and Shah periods in Nepal
- 1.2.5 Evolution of Nepalese contemporary architecture
- 1.2.6 Design philosophies and built environments

Section (B)

2. Housing and Human Settlements

2.1 Housing

- 2.1.1 National shelter policy of Nepal
- 2.1.2 Housing scenario in Nepal
- 2.1.3 Housing by types and grades
- 2.1.4 Housing condition improvement: Slums and squatters
- 2.1.5 Housing supply: Methods of urban land development in Nepal
- 2.1.6 Role of private initiatives in housing development in Nepal
- 2.1.7 Housing finance and legislation
- 2.1.8 Innovative and cost-effective housing technology

2.2 Human Settlements

- 2.2.1 Settlements hierarchy in Nepal
- 2.2.2 Eco and Smart city in settlements: Indicators and practices
- 2.2.3 Integrated urban development plan and periodic plan
- 2.2.4 Settlement development prospects
- 2.2.5 Sendai framework for disaster risk reduction
- 2.2.6 Heritage settlements and their conservation

Section (C)

3. Urban Development

- 3.1 Habitat I, II, and III 1976, 1996, 2016 and New Urban Agenda 2016-2036
- 3.2 Status of urban sector in Nepal
- 3.3 Innovative urban development tools
- 3.4 Climate change agenda – and dynamics of post Paris Agreement
- 3.5 Master planning, Structure planning, Local area planning, IAP, GLD, Land pooling
- 3.6 Planning and building permit systems in Nepal
- 3.7 Market centers in Nepal and their roles in local, regional and national development efforts
- 3.8 Prospects and challenges for the development and management of regions and corridors
- 3.9 Prospects and challenges for the development of urban infrastructure and its cost recovery
- 3.10 Prospects of urban development in Kathmandu valley capital region
- 3.11 Urban design

Section (D)

4. Spatial Planning and Development

- 4.1 Urban region and mega city concept in Nepal
- 4.2 (Regional) Urban system – the matured and evolving system
- 4.3 National and provincial urban system in Nepal
- 4.4 Planning efforts: Comprehensive, advocacy, incremental, strategic and radical
- 4.5 Urban corridor concept for regional development
- 4.6 New town development approach
- 4.7 Development authority concept – the case of the Kathmandu Valley Development Authority
- 4.8 Concept of urban region in the context of provincial and local government in Nepal
- 4.9 Investments and cost recovery in urban development

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Section (E)

5. Service/Group/Sub-group related- Specific (Acts, Rules and Policies)

- 5.1 नगर विकास समिति ऐन, २०४५
- 5.2 भवन ऐन, २०५५
- 5.3 संयुक्त आवासको स्वामित्व सम्बन्धी ऐन, २०५४
- 5.4 काठमाण्डौ उपत्यका विकास प्राधिकरण ऐन, २०४५ र नियमावली, २०६८
- 5.5 प्राचीन स्मारक संरक्षण ऐन, २०१३
- 5.6 राष्ट्रिय शहरी नीति, २०६४
- 5.7 राष्ट्रिय आवास नीति, २०६८
- 5.8 राष्ट्रिय शहरी विकास रणनीति, २०१५
- 5.9 काठमाण्डौ उपत्यकाको लागि भवन निर्माण मापदण्ड, २०६४
- 5.10 शहरी योजना, वस्ती विकास तथा भवन निर्माण सम्बन्धी आधारभूत मापदण्ड, २०७२
- 5.11 भवन निर्माण संहिता, २०६०
- 5.12 भवन निर्माण निर्देशिका
- 5.13 जग्गा एकीकरण म्यानुअल
- 5.14 Planning Norms and Standards, 2013
- 5.15 Nepal Urban Road Standard, 2076

नोट : यस पत्रमा माथि उल्लिखित पाठ्यक्रमको खण्ड (E) बाहेकका प्रत्येक खण्ड (Section) बाट कम्तीमा **एक प्रश्न** समावेश हुने गरी लिखित परीक्षामा देहाय बमोजिमको संख्या र अङ्कभारका प्रश्नहरू सोधिने छ। तर खण्ड (E) बाट ५ अङ्कभारको छोटो उत्तर आउने एक प्रश्न र १० अङ्कभारको लामो उत्तर आउने एक प्रश्न गरी **दुई प्रश्नहरू** सोधिने छ।

पत्र	विषय	पूर्णाङ्क	उर्तीर्णाङ्क	परीक्षा प्रणाली	प्रश्न संख्या × अङ्क	समय
द्वितीय	Technical Subject	१००	४०	विषयगत (Subjective)	1 × 5 & 1 × 10 = 15 (Short & Long Answers) 3 × 15 = 45 (Critical Analysis) 2 × 20 = 40 (Problem Solving)	३ घण्टा

पाठ्यक्रम लागू मिति :- २०८१/०३/३० देखि