

लोक सेवा आयोग
नेपाल इन्जिनियरिङ्ग सेवा, सिभिल समूह, जनरल उपसमूह, रा.प.प्रथम श्रेणी (खुला प्रतियोगिता र आन्तरिक प्रतियोगिता) को लिखित परीक्षाको पाठ्यक्रम

द्वितीय पत्र – सेवा सम्बन्धी प्राविधिक विषय

पूर्णाङ्क :- १००

1. Building construction

- 1.1 National shelter policies and strategies in current plan
- 1.2 Government office building standardization; problems & prospects
- 1.3 Efforts in developing indigenous technology in building design and construction
- 1.4 Housing scenario in Nepal, opportunities and constraints
- 1.5 Public and Private Partnership in housing
- 1.6 Role of Private sector NGO, INGO in housing development
- 1.7 Prospects and challenges in housing construction as an industry and cost control strategies

2. Transportation and Trail Bridges

- 2.1 Transport sector policies and strategies in current plan
- 2.2 Institutional background of the road transport sector
- 2.3 Concept & significance of highway planning and linkages with International Standard
- 2.4 Construction technology
- 2.5 Contract Management
- 2.6 Private sector involvement in transportation sector
- 2.7 Labour intensive and capital intensive methods of road construction
- 2.8 Quality control and assurances
- 2.9 Maintenance management and challenges
- 2.10 Institutional Strengthening
- 2.11 Resources mobilization in transport sector
- 2.12 Road side drainage its management
- 2.13 Policies and strategies in current plan regarding trail bridges
- 2.14 Local level and central level planning of suspension and suspended bridge
- 2.15 Quality control and monitoring of suspension and suspended bridge
- 2.16 Planning and management of Rural roads, Tracks and trails

3. Water supply and sanitation

- 3.1 Water and sanitation policies and strategies in current plan
- 3.2 Present status of water supply and sanitation in Nepal
- 3.3 Current issues and problems of water supply and sanitation sector
- 3.4 National standard of rural and urban water supply
- 3.5 Rural and community based water supply system
- 3.6 Water Supply sources and their management
- 3.7 Operation and maintenance of water supply systems
- 3.8 Legal and management aspects of water supply facilities
- 3.9 Financial aspects, system cost recovery, tariff structure, affordability
- 3.10 Health and Hygiene education and training
- 3.11 Role of NGOs, INGOs, CBOs, VDCs, and DDCs in water supply and sanitation sector
- 3.12 Environmental health Engineering
- 3.13 Issues and problems of solid waste management in urban centers and townships

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4. Irrigation and drainages

- 4.1 Irrigation sector policies and strategies in current plan
- 4.2 Status of irrigation development in Nepal
- 4.3 Integrated water resources management
- 4.4 General irrigation system planning
- 4.5 Farming system in Nepal
- 4.6 Management of Farmers managed irrigation system
- 4.7 Operation and maintenance of irrigation systems
- 4.8 Institutional aspects of irrigation system management
- 4.9 Specific considerations in management of hill irrigation systems
- 4.10 River training and drainage engineering

5. Environmental impact assessment.

- 5.1 Concept of environmental assessment, IEE (Initial environmental examination) and EIA (Environmental impact assessment), role of EIA, EIA principles, types of impacts
 - 5.2 Management of IEE/EIA process: public participation, EIA review, mitigation measures, monitoring and Environmental Management Plan
 - 5.3 Environmental auditing
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