

लोक सेवा आयोग  
नेपाल नागरिक उड्डयन प्राधिकरण, प्राविधिक, सिभिल इन्जिनियरिङ्ग, नवौ, प्रबन्धक पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०।०९।१८

पत्र : द्वितीय  
समय : ३ घण्टा

पूर्णाङ्क : १००

विषय : सेवा सम्बन्धी

प्रत्येक Section को उत्तर छुट्टाछुट्टै उत्तरपुस्तिकामा लेख्नुपर्नेछ । अन्यथा उत्तरपुस्तिका रद्द हुनेछ ।

**Section "A"**

**50 Marks**

1. Pavement design is a critical part of airport pavement. Describe the design considerations for structural design of airport pavements with reference to Nepali condition. Give your opinion about present practice of pavement management system in Nepali airports and suggest any approaches to improve. 5+5=10
2. What are the good practices to reduce the airport airside delay? Suggest the steps to be taken to reduce the delay at Tribhuvan International Airport. 3+7=10
3. Enumerate the importance of airport drainage system and discuss the elements of good drainage system. What are practical and ultimate capacity in airport planning and design? Explain. 6+4=10
4. Why is Airport Master Plan very important? Write main objectives and describe the components we should consider during Master Planning of Airports in the country like Nepal. Suggest planning steps and descriptions for master planning process based on ICAO guideline in detail. 2+3+5+10=20

**Section "B"**

**50 Marks**

5. "Best way of handling dispute is to avoid it." Illustrate this statement explaining the causes and effects of dispute in construction project management. Describe about Alternate Dispute Resolution (ADR). 6+4=10
6. Explain the concept of Airport Management Information System. What is the performance status of Airport Management Information System in Nepal? Explain. 5+5=10
7. Highlight major similarities and differences of PPMO and FIDIC contracts. 10
8. Review the Nepal Aviation Safety Plan 2018-2022. What are the risks identified in Aviation Safety Report 2022? Prepare an action plan for suspension of European Union's air safety blacklist within 5 years. 6+4+10=20