

लोक सेवा आयोग  
नेपाल नागरिक उड्डयन प्राधिकरण, प्राविधिक, एयर ट्राफिक सर्भिसेज, दशौं, उपनिर्देशक पदको  
आन्तरिक प्रतियोगितात्मक लिखित परीक्षा

२०७९।०४।१८

पत्र : द्वितीय  
समय : ३ घण्टा

पूर्णाङ्क : १००

विषय: सेवा सम्बन्धी

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

**Section "A"**

**40 Marks**

1. Explain the coordination procedure with special reference to the Kathmandu Approach and Kathmandu Tower in the safe handling of the departing and arriving traffic. 10
2. What is the exact meaning of Search and Rescue? Elaborate operating procedure of Rescue co-ordination center upon the occurrence of distress phase. 10
3. What are the constraints in Air Traffic Flow Management (ATFM) in Tribhuvan International Airport (TIA)? How do you relate ATFM with Air Traffic Control (ATC) capacity? Explain with action plan to optimize declared ATC capacity of TIA. 5+5+10=20

**Section "B"**

**40 Marks**

4. Bad weather and inadequately available en route weather is one of the contributing factors to aircraft accidents in Nepal. Provide your suggestions to improve the situation. 10
5. Define Aviation Security. According to ICAO Annex 17 (Security), each contracting state shall ensure in establishing preventive security measures relating to access control. Mention these measures. 2+8=10
6. Recently in April 2022, ICAO has completed Nepal's aviation full audit (USoAP) based on eight critical elements of a state safety oversight. How do you assess the present status in all areas of audit? Do you think ICAO will relieve Nepal from safety list? Elaborate the area of improvement to enhance safety concern in Nepal. 20

**Section "C"**

**20 Marks**

7. What are the human factor principles? Describe the role of human factors in improving aviation safety. 4+6=10
8. In recent days in Nepal, wildlife hazard is becoming a very serious problem for aircraft smooth operation in airport. At this situation, what measures are to be taken for reduction and control of wildlife movement? Also mention about the study report of wildlife nature. 5+5=10