

लोक सेवा आयोग

नेपाल नागरिक उड्डयन प्राधिकरण, प्राविधिक, एयर ट्राफिक सर्भिसेज, सातौं, वरिष्ठ अधिकृत पदको
खुला प्रतियोगितात्मक लिखित परीक्षा

२०७९।०४।२९

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. Write down the categories of message which shall be handled by the aeronautical fixed telecommunication network. 5
2. When do you use the words "Break" and "Break Break" in radiotelephony communication? 5
3. A NOTAM shall be originated and issued concerning different information necessary for safe operation of an aircraft. List any 10 informations. 10
4. What is Air Traffic Service (ATS)? Explain all components of ATS. 3+7=10
5. Kathmandu Airport (TIA) is already bearing a heavy traffic. Aircrafts often have to hold for long time. How can Air Traffic Flow Management (ATFM) overcome this situation? Describe in brief. 10
6. Define Rescue Coordination Center (RCC). As a chief of RCC, how do you prepare plans of operation for the conduct of search and rescue in your region? Explain. 2+8=10

Section "B"

50 Marks

7. In general, an aircraft can be asked to make maneuver to cause delay. What are the means to do it? 5
8. Lately Tara Air lost its Twin otter aircraft including 22 persons on board which was on its way to Jomsom from Pokhara. It was out of contact at the time of accident. What, do you think, must have happened from communication view-point? 5
9. What do you mean by Air Navigation? Explain Air Navigation by radio aids. 2+8=10
10. Explain the application of Bernoulli's principle on an airfoil. Explain in short the four forces that keep an aircraft aloft in flight. 3+7=10

11. In Nepal, the rate of accident/incident in the remote areas is comparatively high. There are numerous safety recommendations released for the enhancement of flight safety. How do you analyze the released safety recommendations in Nepal? What are the causes of aircraft accident in Nepal? What actions would you take to minimize the rate of accident? 4+2+4=10
12. What preventive security measures has been established in Nepal to prevent weapons, explosives or any other dangerous devices, articles or substances, the carriage or bearing of which is not authorized from being introduced, by any means whatsoever, on board an aircraft engaged in civil aviation? Explain with examples. 10

- The End -