

लोक सेवा आयोग  
मानव संसाधन विकास विभाग, एयरवाइनेस, सातौं, वरिष्ठ अधिकृत पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०/१०/२१

पूर्णाङ्क : १००

विषय : सेवा सम्बन्धी

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

**Section "A"**

**50 Marks**

1. Explain the four forces in a flying aircraft. 5
2. What are the different types of airframe construction methods? Explain. 5
3. Describe about the types and causes of corrosion in detail. 10
4. How is pressurization controlled in aircraft? Explain in detail. 10
5. What are the determining factors of aircraft performance? Explain. 10
6. Explain control systems of the helicopter. 10

**Section "B"**

**50 Marks**

7. What is Continuing Airworthiness Management Organization (CAMO)? Explain. 5
8. Describe principle and operation of propeller pitch control system. 5
9. What is inductance? Explain self-inductance and mutual inductance. 4+3+3=10
10. Explain the operating principle and importance of TCAS and FDR. 5+5=10
11. How does an aircraft electrical system work? Explain in detail. 10
12. Overview ICAO Annex 6, 8 and 19. Explain the importance of human factor in maintenance. 5+5=10

- The End -