

लोक सेवा आयोग
नेपाल नागरिक उड्डयन प्राधिकरण, प्राविधिक, सिभिल इन्जिनियरिङ्ग, पाँचौ, वरिष्ठ सहायक पदको
खुला प्रतियोगितात्मक लिखित परीक्षा
२०७८।०८।२५

पत्र : द्वितीय
समय : २ घण्टा ३० मिनेट

पूर्णाङ्क : १००

विषय: सेवा सम्बन्धी

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

Section "A"

50 Marks

1. Describe the institutional development of civil aviation in Nepal? 5
2. Define Runway Strip and describe the planning principle of taxiway in an airport. 2+3=5
3. Describe in detail the general items contained in ANNEX-14 (ICAO publication). 5
4. What are the elements of Airport Lighting? Describe in brief. 5
5. Describe in short about setting out of runway centerline and taxiway centerline. 5
6. Define contour. Describe characteristics of contourline and its application in airport site selection. 5
7. List out the factors affecting the selection of suitable airport site. 5
8. What are the types of bricks? How do you identify the good quality bricks at the site? 5
9. Explain in proper sequence the construction procedure of Flexible Airport Pavement (Asphalt Concrete). Also mention the necessary lab tests of materials and types of equipments needed during this construction. 6+2+2=10

Section "B"

50 Marks

10. What are the main tests carried out to determine the quality of gravel? 5
11. What are the cavity walls and shear walls? 5
12. What are the sources of dampness? How can we prevent it? 5
13. What do you mean by foundation? Describe its types. 5
14. What are the factors affecting the unit rates? 5
15. What are the responsibilities of a civil overseer in pursuing the relation between owner, contractor and engineer? 5
16. Explain about Earnest Money and Security Deposit during contract procedure. 5
17. What is a layer in AutoCAD? Mention its advantages. 2+3=5
18. What are the ingredients of cement? Briefly describe its properties. 2+8=10

- The End -