

लोक सेवा आयोग

नेपाल राष्ट्र बैंक, प्रशासन, सहायक चौथो, सहायक (IT) पदको खुला प्रतियोगितात्मक

लिखित परीक्षा

२०७८/०७/०८

पत्र : द्वितीय

समय : ३ घण्टा ३० मिनेट

पूर्णाङ्क : १००

विषय : Information Technology

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

Section : "A"

50 Marks

1. What are the different applications of computer? Explain with examples describe about the memory hierarchy of computer system. 6+4=10
2. Make a block diagram of computer architecture. Briefly explain the function of each component. 4+6=10
3. What are the different layers in Open Systems Interconnection (OSI) reference model? Provide a brief description of each layer. 3+7=10
4. Why is mail-merge and macro important in word processor? Write down the steps of mail-merge process. 5+5=10
5. What is internet and intranet? Explain the different types of security issues related to the use of internet. Briefly explain the techniques/tools used to safeguard IT system. 3+4+3=10

Section : "B"

50 Marks

6. What is Database Normalization? why do we need to normalize database? Explain with examples. 3+7=10
7. You have to develop an electronic attendance system for an organization with 1000+ employees located at 40 branches in Kathmandu Valley. Explain the system development lifecycle and type of programming language and platform you would implement. 10
8. What are the advantages of electronic payment system? How has Core Banking System, Mobile Banking and Digital Wallets revolutionized the banking and e-commerce sector? 3+7=10
9. Define different e-commerce models with suitable example. Explain the business benefits and limitations of B 2 B Model. 6+4=10
10. Describe the role of Digital Signature for secure online transactions. What are the need and benefits of application of IT in banking sector? 5 + 5 = 10

