



Chhimek Laghubitta Bittiya Sanstha Ltd.

Syllabus for Senior Officer (Vacancy Number 05/080/81)

Pattern and Syllabus for Written Examination:

Full Marks: 100

Time: 2 hours

Questions Type	Group	Number Of Questions	Marks	Total Marks
Multiple Choice Questions	A	20	2	40
Subjective Questions	B	2	5	10
	C	5	10	50
Total				100

Syllabus

1. Distributed systems and concepts of scalability and fault tolerance.
2. Linux and Windows server administration, cloud computing principles, services, and deployment strategies.
3. Database design principles for complex applications, database security, encryption, compliance, advanced querying techniques, optimization, and indexing.
4. Big data concepts, NoSQL databases, and distributed database management.
5. Core Banking Systems.
6. Emerging technologies like blockchain and AI.
7. Regulatory compliance and reporting in complex banking environments.
8. Networking protocols, routing algorithms, Network security and advanced intrusion detection and prevention systems.
9. Large-scale network design, load balancing, and content delivery networks.
10. Disaster recovery planning and business continuity strategies.
11. General idea about microfinance
12. Nepal Rastra Bank Information Technology Guidelines