

Mid-West University
Examinations Management Office
Birendranagar, Surkhet
End Semester (Alternative/Physical) Examinations -2078

Bachelor level/ B.Sc CSIT /6th Semester

Time: 3hrs

Subject : Introduction to Cryptography (COM464)

Full Marks : 60

Pass Marks : 30

Candidates are required to give their answers in their own words as far as practicable. The figure in the margin indicates full marks.

Attempt all questions

[6 x 10 = 60]

1. Illustrate the concept of public and private key cryptography. **[10]**
2. Explain the Different Elements in Computer Security. What are the Challenges to protect information in any organization? **[10]**
3. Explain the Security mechanisms. Explain OSI Security Architecture. **[10]**

OR

Explain the Types of Cryptosystems.

4. What is Biometric Authentication? What is Substitution Techniques? Explain about Transposition Ciphers. **[10]**
5. Define Malicious Logic. Define Authentication System and explain its different forms. **[10]**

OR

Explain the active and passive a hack.

6. Define Encryption and Decryption. Explain Digital Signature and Digital Signature Standard (DSS). **[10]**

THE END