SCSA1602 - NETWORK SECURITY

Assignment – II

**Part – A**

1. \_\_\_\_\_\_\_\_\_\_\_ is discovery of the pattern of traffic between parties.
2. \_\_\_\_\_\_\_\_\_\_\_\_ is a public function of the message and a secret key that produces a fixed length value serves as the authenticator.
3. If a message is being encrypted using a session key known only to the sender and receiver, then the message is \_\_\_\_\_\_\_\_\_\_\_\_.
4. In digital signature technique when the whole message is signed using an asymmetric key, the receiver of the message uses\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to verify the message.
5. SHA-1 produces a hash value of\_\_\_\_\_\_\_\_\_\_\_\_\_ bits.

**Part-B**

1. Give short note on the requirements of Hash Function?
2. What is Message Authentication Code?
3. Illustrate the Security of Hash function.
4. Give any two applications of authentication function.
5. What is destination repudiation?

**Part C**

1. Explain elaborately the Message Digest with neat Diagram.

