

## ACTIVITY 5 – MULTIPLE CHOICE QUESTIONS

### READING – STREAM CIPHERS

**After Reading the text. Read the questions and choose the correct answers.**

**1) What is the main role of stream ciphers?**

- a.** To modify or scramble ciphertext data to generate plaintext that is unreadable to unauthorized or malicious users
- b.** To modify or scramble plaintext data to generate ciphertext that is unreadable to unauthorized or malicious users
- c.** To generate new plaintext data to generate ciphertext that is readable to authorized or malicious users

**2) During the process of encrypting data, ...**

- a.** Unauthorized users will be able to understand it without the correct key.
- b.** Unauthorized users won't be able to understand it with the correct key.
- c.** Unauthorized users won't be able to understand it without the correct key.

**3) Which process combines the key stream with the plaintext data?**

- a.** Bitwise XOR Operation
- b.** Encryption and Decryption
- c.** Key Stream Generation

**4) What would be a negative effect of stream ciphers?**

- a.** Even if the key stream is reused or guessed by an attacker, the encrypted data can be hard to be compromised.
- b.** If the key stream is used again or predicted by an attacker, the encrypted data can be compromised easily.
- c.** If the key stream is weak the attacker is not able to decipher it.