



# Loyola Institute of Technology & Science

Loyola Nagar, Thovalai – Rajavoor Road, Thovalai Post – 629 302, Kanyakumari District, Tamil Nadu

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## Department of Computer Science and Engineering

Course Code	:	CS8792	Course Name	:	Cryptography and Network Security
Degree-Branch	:	B.E.-Computer Science and Engineering	Semester-Year	:	VII – IV

### Proof for conduction of Quiz

#### CS8792- CRYPTOGRAPHY AND NETWORK SECURITY

QUIZ

ENTER THE REGISTER NUMBER \*

961218104013

ENTER THE NAME \*

Nancy S

ANSWER THE QUESTIONS

The \_\_\_\_\_ is the original message before transformation.

1 point

- a) Ciphertext
- b) Plaintext
- c) Secret text
- d) All of the above



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The \_\_\_\_\_ is the message after transformation \*

1 point

- a) Ciphertext
- b) Plaintext
- c) Secret text
- d) All of the above

A(n) \_\_\_\_\_ algorithm transforms plaintext to ciphertext \*

1 point

- a) Encryption
- b) Decryption
- c) Either (a) or (b)
- d) Neither (a) nor (b)

A(n) \_\_\_\_\_ algorithm transforms ciphertext to plaintext \*

1 point

- a) Encryption
- b) Decryption
- c) Either (a) or (b)
- d) Neither (a) nor (b)



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In a(n) \_\_\_\_\_ cipher, the same key is used by both the sender and the receiver \* 1 point

- symmetric key
- asymmetric key
- Either (a) or (b)
- Neither (a) nor (b)

In a(n) \_\_\_\_\_ cipher, a pair of keys is used \* 1 point

- symmetric key
- asymmetric key
- Either (a) or (b)
- Neither (a) nor (b)

In an asymmetric key cipher, the sender uses the \_\_\_\_ key \* 1 point

- Public
- Private
- Either (a) or (b)
- Neither (a) nor (b)



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In an asymmetric key cipher, the receiver uses the \_\_\_\_ key \*

1 point

- Public
- Private
- Either (a) or (b)
- Neither (a) nor (b)

A \_\_\_\_ cipher replaces one character with another character \*

1 point

- Substitution
- Transposition
- Either (a) or (b)
- Neither (a) nor (b)

\_\_\_\_\_ ciphers can be categorized into two broad categories: monoalphabetic and polyalphabetic

\* 1 point

- Substitution
- Transposition
- Either (a) or (b)
- Neither (a) nor (b)



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The \_\_\_\_\_ cipher is the simplest monoalphabetic cipher. It uses modular arithmetic with \* 1 point  
a modulus 26

- Transposition
- Additive
- Shift
- None of the above

The Caesar cipher is a \_\_\_\_\_ cipher that has a key of 3 \* 1 point

- Transposition
- Additive
- Shift
- None of the above

The \_\_\_\_\_ cipher reorders the plaintext characters to create a ciphertext \* 1 point

- Substitution
- Transposition
- Either (a) or (b)
- Neither (a) nor (b)



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A(n) \_\_\_\_\_ is a keyless substitution cipher with N inputs and M outputs that uses a formula to define the relationship between the input stream and output stream \* 1 point

- S-box
- P-box
- T-box
- None of the Above

A modern cipher is usually a complex \_\_\_\_\_ cipher made of a combination of different simple ciphers \* 1 point

- Round
- Circle
- Square
- None of the Above

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Google Forms

### Feedback from the students :

This Quiz helps the students to reinforce the concepts of encryption which will be useful for further understanding in the future.

### Outcome of the Pedagogy :

Students can be confident in implementing the encryption concepts. This will help them to crack encrypted messages and develop cryptographic algorithms of their own.



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