

# Class Test

Total points 16/20 ?

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0 of 0 points

Enter Your Roll number \*

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Class Test

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✗ Which one is the correct pair for the sentence “ I am a student of RUET” 0/1  
before applying Playfair cipher

- ☒ IA MA ST UD EN TX OF RU ET
- ☐ IX AM AS TU DE NT OF RU ET
- ☐ IX AM AX ST UD EN TX OF RU ET
- ☐ IA MX AS TU DE NT OF RU ET

✗



✓ What is the main disadvantage of symmetric encryption technique? 1/1

- ☐ Maintaining the length of the secret key
- ☒ The secure distribution of secret key
- ☐ The secure distribution of public key
- ☐ One of the keys must be kept public

✓

✓ "In symmetric encryption technique there must be at two keys for communication", whether the statement is true or false? 1/1

- ☐ True
- ☒ False

✓

✓ Which are/is not the requirement(s) of conventional encryption technique? 1/1

- ☐ The cipher text must be made public
- ☐ The key must be kept secret
- ☐ Everybody can have a clear idea about the cryptographic algorithm
- ☒ One of the keys must be kept public

✓



✓ What is the main problem of Monoalphabetic cipher ?

1/1

- ☐ Key domain
- ☐ Number of alphabets in a language
- ☐ Key length
- ☒ Letter frequency of a language



Class Test

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✓ Alice receives a cipher text message from her friend. What type of function does Alice need to use to read the plaintext message?

1/1

- ☐ Encryption
- ☐ Hasing
- ☒ Decryption
- ☐ Cryptography



✓ If we use a rail fence cipher (two rows) which one is the correct cipher text for the following sentence? "No one can break this"

3/3

- ☐ NEABOEKHSNCHRTI
- ☐ NOBEEAKHSNCHRTI
- ☒ NOEABEKHSNCHRTI
- ☐ NROEIANCRYVHSINDB



✓ Which one is the length of the key for one time pad method?

1/1

☒ Random



☐ Fixed

☐ 128

☐ 64

✗ Which type of cipher works by rearranging and by substituting the characters in a message?

0/1

☒ Transposition



☐ Steganographic

☐ Substitution

☐ Product

✓ Which are true for the Caesar cipher?

1/1

☐ Asymmetric, block, substitution

☒ Symmetric, stream, substitution



☐ Asymmetric, stream, transposition

☐ Symmetric, block, transposition



✓ How one-time pad differs from others?

1/1

- ☐ It uses complex calculations to encrypt.
- ☒ The key is generated in a random fashion.
- ☐ It is decrypted in the same fashion it is encrypted.
- ☐ It uses a shared key



Class Test

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✓ What will be the ciphered text if the string “RUETCSE” is given as input to the code of playfair cipher with keyword as “MANGO” (assuming j is combined with i)? 4/4

- ☐ SQ LB DM DY
- ☐ SO LY DR DY
- ☒ SQ LY DR DY
- ☐ SQ LM DR DY



✓ Which one is not a poly alphabetic cipher?

1/1

- ☐ Hill cipher
- ☐ Product cipher
- ☐ Play fair cipher
- ☒ Caesar cipher



✗ Which of the following cipher is created by shuffling the letters of a word? .../1

- ☐ substitution cipher
- ☐ mono alphabetic cipher
- ☐ poly alphabetic cipher
- ☒ transposition cipher

✗

✗ What is the meaning of cipher in cryptography? 0/1

- ☒ an algorithm that performs encryption
- ☐ a secret code that is used for encryption
- ☐ an algorithm that performs encryption or decryption
- ☐ an algorithm that generates a secret code

✗

Answer sheet

0 of 0 points

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