Module 1 Quiz (16-12-2020)

Your email address (**121710311043@gitam.in**) will be recorded when you submit this form. Not you? Switch account

* Required

Objective Questions

1M

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Which of the following correctly defines poly alphabetic cipher?

○ a substitution based cipher which uses multiple substitution at different positions

○ a substitution based cipher which uses fixed substitution over entire message

○ a transposition based cipher which uses multiple substitution at different positions

○ a transposition based cipher which uses fixed substitution over entire message

*

If the Ciphertext to be sent to Bob is "EQNVZ" and the Key begins with "XMCKL". **Find out the Plaintext using One Time Pad.**

○ apple

○ hello

○ honey

○ actor

*

Find out the plaintext using hill cipher, if the ciphertext is "WWVA" and the key is "DCDF". (where K_{11}=d, K_{12}=d, K_{21}=c, K_{22}=f, similarly C_{11}=W, C_{12}=V, C_{21}=W and C_{22}=A)

○ code

○ help

○ card

○ weep

*

Which of the following ciphered text would have NOT used transposition cipher for encryption of the plain text "CIPHER"?

○ EPIHRC

○ EHIPCR

○ DTIPRC

○ HRIPEC

*

Find out the ciphertext using Playfair cipher if the given plaintext is "instruments" and the key is "monarchy".

○ GATLMZCLRGTM

○ GATLMZCLEQTN

○ GATLMZCLRQTX

○ GATLMZCLQTXR

*

What is a "Rotor machine"?

○ A machine that rotates the secret key with every new message.

○ An algorithm that rotates the key of the Vernam Cipher.

○ A machine that encodes all messages into a big rotor.

○ A machine that consists of a set of independently rotating cylinders through which electrical pulses can flow.

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