1/13/2020 TestOut LabSim

Date: 1/13/2020 12:27:15 pm Time Spent: 3:37	Candidate: Garsteck, Matthew Login: mGarsteck
Overall Performance	
Your Score: 83%	
	Passing Score: 80%
View results by: Objective Analysis Individual Re	esponses
Individual Responses	
▼ Question 1: <u>Incorrect</u>	
When a cryptographic system is used to protect the data of	confidentiality, what actually takes place?
The data is protected from corruption or change	e
The data is available for access whenever author	orized users need it
Transmitting the encrypted data is prohibited	
→ Unauthorized users are prevented from viewing	g or accessing the resource
Explanation	
<i>Cryptography</i> is the science of converting data into a sect transmission. Cryptography systems provide the following	
 Confidentiality by ensuring that only authorized part Integrity by verifying that data has not been altered i Authentication by proving the identity of the sender Non-repudiation by validating that communications particular time. 	in transit. or receiver.
References	
LabSim for Security Pro, Section 2.4. [All Questions SecPro2017_v6.exm CRYPTO_BASICS_	_01 /]
▼ Question 2: <u>Correct</u>	
Which type of cipher changes the position of the character	ers in a plain text message?
Substitution	
Transposition	
○ Steam	
○ Block	

Explanation

A transposition cipher changes the position of characters in the plain text message. It is also referred to as an anagram.

A substitution cipher replaces one set of characters with symbols or another character set. A block cipher takes a fixed-length number of bits, or block, and encrypts them all at once. A stream cipher creates a sequence of bits that are used as the key.

References

LabSim for Security Pro, Section 2.4.

[All Questions SecPro2017_v6.exm CRYPTO_BASICS_02]

TestOut LahSim

5/2020	lestout Labsiiii
Question 3:	Correct
Which is the cryptography	mechanism that hides secret communications within various forms of data?
Ciphertext	
Steganography	
Cryptanalysis	
Algorithm	
Explanation	
•	ography mechanism that hides secret communications within various forms of
Ciphertext is the encrypted intended for.	form of a message that makes it unreadable to all but those the message is
Cryptanalysis is the metho the key used in the encrypt	d of recovering original data that has been encrypted without having access to ion process.
A cipher or algorithm is th	e process or formula used to convert a message or otherwise hide its meaning.
References	
LabSim for Security Pro, S [All Questions SecPro2017	Section 2.4. 7_v6.exm CRYPTO_BASICS_05 /]
Question 4:	Correct
Which of the following is	not a valid example of steganography?
Microdots	
Encrypting a data	a file with an encryption key
Oigital watermar	king
Hiding text mess	ages within graphical images
Explanation	
Encrypting a data file with	an encryption key is encryption, not steganography.
Digital watermarking, microsteganography.	rodots, and hiding text messages within graphical images are all examples of
References	
LabSim for Security Pro, S [All Questions SecPro2017]	Section 2.4. 7_v6.exm CRYPTO_BASICS_06]
Question 5:	Correct
Which of the following alg	orithms combines a random value with plain text to produce cipher text?
Transposition	
One-time pad	
Cryptanalysis	

Explanation

Steganography

A one-time pad is a cryptography method in which plain text is converted to binary and combined with a string of randomly generated binary numbers, which is called the pad. A one-time pad is a form of substitution.

1/13/2020 TestOut LabSim

A *transposition cipher*, or *anagram*, changes the position of characters in the plain text

message. *Steganography* is a cryptography method that uses digital pictures, video clips, or audio clips to hide a message or some type of data. Steganography tools encode the message into the Least Significant Bit (LSB) of the binary coding.

Cryptanalysis is the method of recovering original data that has been encrypted without having access to the key used in the encryption process

References

LabSim for Security Pro, Section 2.4. [All Questions SecPro2017_v6.exm CRYPTO_BASICS_07||/]

▼ Question 6: <u>Correct</u>

What is the cryptography method of recovering original data that has been encrypted without having access to the key used in the encryption process.

	\bigcirc	Steganography
→		Cryptanalysis
		Algorithm

Ciphertext

Explanation

Cryptanalysis is the method of recovering original data that has been encrypted without having access to the key used in the encryption process.

Steganography hides data or a message so that only the sender or the recipient suspects that the hidden data exists.

An algorithm is the process or formula used to convert a message or otherwise hide its meaning.

Ciphertext is the encrypted form of a message that makes it unreadable to all but those the message is intended for.

References

LabSim for Security Pro, Section 2.4.
[All Questions SecPro2017_v6.exm CRYPTO_BASICS_08||/]