
Unit Test 1

Student ID Number

DIRECTIONS: Please make sure that your student ID number and answers are written clearly. You have 30 minutes for this test. You are permitted to use handwritten notes during this test.

Question 1A. Place an "x" in the box next to all terms that are related to identification factors used for authentication. [5 marks]

<input type="checkbox"/>	possession
<input type="checkbox"/>	knowledge
<input type="checkbox"/>	salt
<input type="checkbox"/>	architecture
<input type="checkbox"/>	prime factor

<input type="checkbox"/>	attribute
<input type="checkbox"/>	seed value
<input type="checkbox"/>	secret
<input type="checkbox"/>	profile
<input type="checkbox"/>	hash

Question 1B. Briefly describe examples of authentication procedures using all the terms that you selected in question 1A. [5 marks]

Unit Test 1

Question 2A. Place an “x” in the box next to all terms that are related to symmetric ciphers. [5 marks]

<input type="checkbox"/>	cipher block multiplexing
<input type="checkbox"/>	prime number
<input type="checkbox"/>	key exchange
<input type="checkbox"/>	one way function
<input type="checkbox"/>	padding

<input type="checkbox"/>	digital signature
<input type="checkbox"/>	cipher mode
<input type="checkbox"/>	algorithm
<input type="checkbox"/>	cipher block chaining
<input type="checkbox"/>	public key

Question 2B. Briefly describe a typical symmetric enciphering process using all the terms that you selected in question 2A. [5 marks]

Unit Test 2

Student ID Number

DIRECTIONS: Please make sure that your student ID number and answers are written clearly. You have 30 minutes for this test. You are permitted to use handwritten notes during this test.

Question 1A. Place an "x" in the box next to **5 terms** that are **most directly related** to the steganographic technique of **cover generation**.

semagram

injection

watermark

stego-object

message

stego-key

distortion

substitution

fingerprint

cover object

Question 1B. Briefly describe an **example of a cover generation steganographic method or tool** using all the terms that you selected in question 1A. [5 marks]

Unit Test 2

Question 2A. Place an "x" in the box next to **5 terms** that are **most directly related** to a **stack overflow attack**. [5 marks]

<input type="checkbox"/>	text segment	<input type="checkbox"/>	EIP register
<input type="checkbox"/>	return address	<input type="checkbox"/>	heap segment
<input type="checkbox"/>	EXE instruction	<input type="checkbox"/>	CS register
<input type="checkbox"/>	shellcode	<input type="checkbox"/>	bss segment
<input type="checkbox"/>	ECX register	<input type="checkbox"/>	NOP instruction

Question 2B. Briefly describe **typical steps for creating a stack overflow** using all the terms that you selected in question 2A. [5 marks]

Unit Test 3

Question 2A. Place an "x" in the box next to **5 terms** that are **most directly related** to the **commercial roles of authentication technology**. [5 marks]

<input type="checkbox"/>	formats	<input type="checkbox"/>	communications
<input type="checkbox"/>	opt-in	<input type="checkbox"/>	outsourcing
<input type="checkbox"/>	loyalty	<input type="checkbox"/>	utility patents
<input type="checkbox"/>	privileges	<input type="checkbox"/>	copyright
<input type="checkbox"/>	payments	<input type="checkbox"/>	transactions

Question 2B. Briefly describe **specific examples of commercial products or vendors** and **how they use authentication technology**. Use all the terms that you selected in question 2A. [5 marks]