

# 1st Term evaluation exam

⚠ This is a preview of the published version of the quiz

Started: Jul 5 at 3:23pm

## Quiz Instructions

Dear students

This is your first exam in the academic term.

The exam will cover all contents in modules: 1- Principios de seguridad a nivel de red: vulnerabilidades y ataques, 2- Network devices hardening, and 3- Tecnologías de firewall y sistemas de detección de intrusiones. Additionally, all the contents reviewed in class through the "In-class" activities (In-class 1 (20 minutes) - Information Access Threats vs Service Threats., in-class 5a (15 minutes), In-class 5b (20 minutes), In-class 6a: Security Certifications and Masters in Security(20 minutes), In-class 6b: Security Certifications Vs Masters in Security (15 minutes), In-class 7: IDS & IPS (30 minutos), and In-class 7b: IDS-IPS (15 minutes) will be considered as part of the curricula to study.

The exam requires a password that will be provided by the professor (me) at the beginning on the exam. Students must, during the full time they are doing the exam:

1. have their webcams online so the profesor can watch them
2. have an official prof of ID such as "cedula" or student ID
3. keep quiet for the full duration of the exam (If you speak you will be expelled from the exam and will get a zero grade) even when they finish and want to leave the exam.
4. do not do any kind of signal, or anything that may be considered as a communication to other students in the exam or people situated in their location.
5. avoid the use of external tools, browsers or any cheat-enabling tools

Failure to follow these rules will be punished as stated in 3

If you need to contact the exam proctor, you may use the zoom chat as in a private channel so you don't disturb other students.

When you finish the exam you must leave the zoom room quietly (DONT SAY GOODBYE). If you have questions or disagreements with the grade, contact the profesor via Microsoft Teams

Good Luck

---

### Question 1

1 pts

When a system complies with the property of **Availability**, it makes sure that it is working providing the service to the authorized users.

True

False

### Question 2

1 pts

The x800 ITU's recommendation defines the security architecture of the OSI reference model.

True

False

### Question 3

1 pts

**Eavesdropping** is considered an active attack.

True

False

### Question 4

1 pts

Of the following services, from the x800 standard, which ones allow data integrity protection.

Connection integrity and recovery

connectionless integrity

Connection confidentiality

### Question 5

1 pts

Modularity and segregation are fundamental principals in security design.

True

False

### Question 6

1 pts

A software attack surface refers to the vulnerabilities obtained through social engineering techniques

True

False

### Question 7

1 pts

Uno de los métodos de autenticación es algo que el individuo es. Un ejemplo de esto serian los sistemas biométricos de autenticación

Verdadero

Falso

**Question 8**

1 pts

Los ataques por fuerza bruta no afectan a las claves

Verdadero

Falso

**Question 9**

1 pts

Una de las técnicas de hardening mas utilizadas es la de dar los mínimos privilegios

Verdadero

Falso

**Question 10**

1 pts

El uso de logs es fundamental a la hora de verificar la seguridad de un sistema

Verdadero

Falso

**Question 11**

1 pts

El almacenamiento de los datos de forma encriptada aumenta la seguridad del sistema operativo

Verdadero

Falso

**Question 12****1 pts**

Asignar sistemas criptográficos a las comunicaciones no se considera una técnica de hardening

- Verdadero
- Falso

**Question 13****1 pts**

A los usuarios no se les debe de exigir claves de amplia longitud que incluyan números, letras y caracteres puesto que son difíciles de recordar

- Verdadero
- Falso

**Question 14****1 pts**

De los siguientes métodos cuales permiten aumentar la seguridad durante el proceso de arranque

- Clave en la BIOS
- Bloqueo de puertos USB
- Sistema antiviris
- Cifrado del almacenamiento

**Question 15****1 pts**

En un diseño de red con un único firewall podemos crear una DMZ separada de la red interna

- Verdadero
- Falso

### Question 16

1 pts

En un diseño de red con un único firewall, la red interna esta separada de la DMZ por el firewall y la DMZ esta conectada directamente a Internet

- Verdadero
- Falso

### Question 17

1 pts

Un firewall es

- Un dispositivo de hardware
- un dispositivo de software
- Un dispositivo de redes
- Una aplicación

### Question 18

1 pts

Un "firewall de proxi" es un tipo inicial de firewall que se utilizaba de gateway

- Verdadero

Falso

**Question 19**

**1 pts**

En un firewall por zonas, las políticas son aplicadas en base a en que zona se encuentra cada dispositivo

Verdadero

Falso

**Question 20**

**1 pts**

Un firewall utiliza las listas de control de acceso para filtrar el tráfico

Verdadero

Falso

**Question 21**

**1 pts**

En una red solo podemos poner dos firewalls, uno para separar la DMZ de Internet y otro para separar Internet de la red interna

Verdadero

Falso

**Question 22**

**1 pts**

Los sistemas IDS intentan detener las intrusiones

Verdadero

Falso

**Question 23**

1 pts

NAC is a term used to identify the network access points

True

False

**Question 24**

1 pts

Platform as a Service (PaaS) is not defined as a service model by NIST.

True

False

**Question 25**

1 pts

System administrators have to have access to the password files in order to do all the tasks required from them.

True

False



**Question 26**

1 pts

La seguridad en las redes como servicio no incluye la continuidad del negocio ni la recuperación de incidentes

- Verdadero
- Falso

**Question 27**

1 pts

Una característica para las contramedida contra el malware es la deresilencia

- Verdadero
- Falso

**Question 28**

1 pts

Los falsos positivos afectan mas a la seguridad del sistema que los falsos negativos

- Verdadero
- Falso

**Question 29**

1 pts

Una red puede contener multiples firewalls

- Verdadero
- Falso

**Question 30**

**1 pts**

Los firewall son inmunes a la penetración

Verdadero

Falso

Not saved

Submit Quiz