1. **Which statement accurately characterizes the evolution of threats to network security?**

Internal threats can cause even greater damage than external threats.

1. **What is the characteristic of a computer worm?**

spreads copies of itself from computer to computer

1. **Core Impact, Metasploit and w3af are all examples of:**

Cybersecurity search engines

Frameworks

Password security tools

SQL injection tools

1. **The type of threats to the security of a computer system or network are:**

(i) Interruption

(ii)Interception

(iii)Modification

(iv)Creation

(v)Fabrication

Which of the following options is correct?

I,ii,iii, and iv only

Ii,iii,iv and v only

I,ii,iii and v only

All i,ii,iii,iv and v

### **In what type of attack is a cybercriminal attempting to prevent legitimate users from accessing network services?**

**DoS**

1. **What is the most common buffer overflow attack?**

Heap-based buffer overflow attack

**Stack-based buffer overflow attack**

Integer buffer overflow attack

Unicode buffer overflow attack

1. **What is the term used to describe the same pre-shared key or secret key, known by both the sender and receiver to encrypt and decrypt data?**

* **symmetric encryption algorithm**
* data integrity
* exploit
* risk

1. **Which two of the following attac1ks are examples of identity theft?**

a. Trojan Horse

b. Spoofing

c. Back Door

d. Email Virus

e. B and C

1. **What is the term used to describe a potential danger to a company’s assets, data, or network functionality?**

* **vulnerability**
* **threat**
* **asset**
* **exploit**

1. **What is an example of a local exploit?**

* Port scanning is used to determine if the Telnet service is running on a remote server.
* A threat actor performs a brute force attack on an enterprise edge router to gain illegal access.
* A buffer overflow attack is launched against an online shopping website and causes the server crash.
* **A threat actor tries to gain the user password of a remote host by using a keyboard capture software installed on it by a Trojan.**

1. **Which two characteristics describe a worm? (Choose two.)**

* hides in a dormant state until needed by an attacker
* infects computers by attaching to software code
* executes when software is run on a computer
* **is self-replicating**
* **travels to new computers without any intervention or knowledge of the user**

| 1. Which of the following exploits computer networks and security holes to reproduce itself? |
| --- |
|  |

**Worm**

1. **What statement accurately describes what a cable bend radius determines?**

A cable bend radius determines the total number of bends that can exist in an overall cable before data is impaired.

**A cable bend radius is the radius of the maximum arc into which you can loop the cable without impairing data.**

A cable bend radius defines the twist rate of the cable inside of the insulation.

A cable bend radius is the radius of the minimum arc into which you can loop the cable without impairing data.

# **The main goals of secure computing is**

###### **A. Confidentiality**

###### B. Interruption

###### C. Modification

###### D. All of Above

—------------------------------------------------------------------------------------------

1. What are the threats to security in computing ?
2. Threats and Attacks against your network ?
3. What is the term used to describe the same pre-shared key or secret key ?

* symmetric encryption algorithm

1. the most common buffer overflow attack ?

**Stack-based buffer overflow attack**

1. what is the best description of trojan horse-malware ?

***It appears as useful software but hides malicious code***

1. Which of the following are **not** the goals of security ?

***Computer security***

1. What is Network Trust Exploitation Attack?

The goal of a trust exploitation attacker is to compromise a trusted host, using it to stage attacks on other hosts in a network.

1. What forms security policy mechanism?
2. What is a way your organization can prevent ddos attack?

### **Know your network’s traffic**

### **Create a DoS Response Plan**

### **Make your network resilient**

### **Practice good cyber hygiene**

### **Scale up your bandwidth**

### **Take advantage of anti-DDoS hardware and software**

### **Move to the cloud**

### **Know the symptoms of an attack**

### **Outsource your DDoS protection**

1. **What type of malware has the primary objective of spreading across the network?**

* worm
* virus
* Trojan horse
* botnet

1. **What is the term used to describe a guarantee that the message is not a forgery and does actually come from whom it states?**

* **origin authentication**
* mitigation
* exploit
* data non-repudiation

1. which of following is an access attack DOS attack?

Types of DoS attacks include:

• Ping of death

• Smurf Attack

• TCP SYN flood attack

1. What is the denial of service attack ?

| 1. DoS attacks exist for which part of the OSI protocol stack? |
| --- |
|  |
|  |

**All of the above**

1. what is avalanche effect in cryptography ?

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In which of the following exploits does an attacker insert malicious code into a link that appears to be from a trustworthy source?

* *XSS*
* Command injection
* Path traversal attack
* Buffer overflow

In which of the following exploits does an attacker add SQL code to an application input form to gain access to resources or make changes to data?

* XSS
* Command injection
* *SQL injection*
* Buffer overflow