Denial of service (DoS) and distributed denial of service (DDoS) attacks have the same effect; however, a distributed d service (DDos) attack	enial of
(A) is launched from large numbers of hosts that have been compromised and act after receiving a particular com	mand.
(B) involves intentional deception designed to produce illegal financial gain or to damage another party.	
© is software written with the deliberate purpose of causing damage, destruction, or disruption	
(D) involves accessing a system of computers without authorization.	
	Continue
Question 2	1 Point
Alice and Bob would like to communicate securely. Alice aims to provide a mechanism to ensure the confidentiality of transmission, and Bob aims to have a mechanism to confirm that it is coming from Alice. Alice needs to encrypt the mwith	_
(A) the public key of Alice and the public key of Bob	
B the public key of Bob and the private key of Alice	
c the private key of Bob and the private key of Alice	
(D) the private key of Bob and the public key of Alice	
	Continue
Question 3	1 Point
Which of the following refers to an intrusion detection system (IDS) programmed to identify known attacks occurring i information system or network by comparing sniffed traffic or other activity with that stored in a database?	n an
A Misuse detection	
B Anomaly detection	
© Behavioural analysis	
D Signature analysis	
	Continue

1 Point

Question 1

What is the main difference between a low-interaction honeypot and a high-interaction honeypot?

A low-interaction honeypot is a real system with full services and applications, while a high-interaction honeypot emulates IT services or systems.

B A low-interaction honeypot provides a realistic target, while a high-interaction honeypot provides a less realistic target.

C A low-interaction honeypot provides an initial interaction with specific components in a system, while a high-interaction honeypot may occupy an attacker for an extended period.

D A low-interaction honeypot is sufficient for use as a component or application of a distributed IDS, while a high-interaction honeypot is not.

Question 5

1 Point

A Processing

B Injection

C Attacking

D Execution

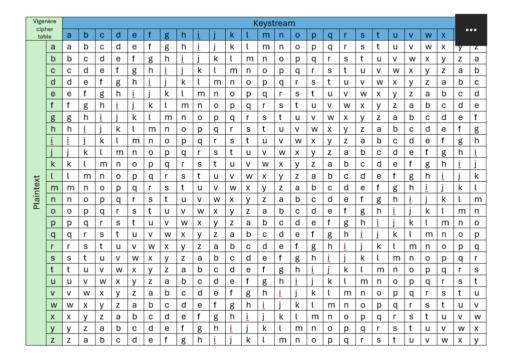
Question 4

Continue

1 Point

Question 6 (1 Point)

Decrypt the ciphertext "FWF STJXQOJWX" using the provided Vigenère Polyalphabetic Substitution table and the keystream "SIMPLE". The plaintext is **Blank 1** 



Blank 1 Add your answer

Question 7 1 Point

A company decided to use a symmetric encryption algorithm for various reasons. Which of the reasons given below is not valid and is considered a weakness of symmetric encryption?

s considered a weakness of symmetric encryption?

(A) It requires a secure mechanism to deliver keys properly

(B) It is less complex

(c) It is very fast.

D It is very efficient when sending large amounts of data.

Question 8 (1 Point)

To prevent DNS hijacking DNS pharming, DNS secure (DNSSEC) should be deployed. Which from the list below is not a service DNSSec provides?

(A) Authenticity of Denial of existence

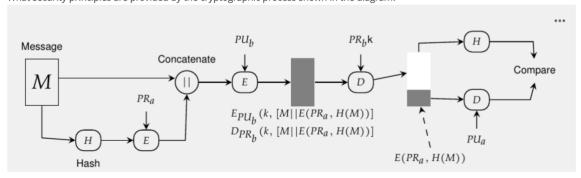
**B** Integrity of reply

C Confidentiality of origin

**D** Authenticity of DNS answer

Question 9 1 Point

What security principles are provided by the cryptographic process shown in the diagram?



- (A) In addition to digital signature, this method provides both confidentiality and authentication.
- B It uses public key encryption to protect the integrity and confidentiality of the hash but does not use a digital signature to verify the sender's identity
- C It encrypts the message but does not provide any form of authentication.
- (D) It guarantees confidentiality by hashing the message only.

Question 10 1 Point

An \_\_\_\_\_attack is a form of SQL Injection where data is retrieved using a different channel.

(A) Internal

(B) Inferential

C Out-of-Band

**D** In-Band

Question 11	1 Point
Which of the statements below is not an error caused by a buffer overflow?	
(A) Corruption of DLL files	
B Unexpected transfer of control in the program	
C Corruption of data used by the program	
D Possible memory access violation	
Question 12	1 Point
What is the role of the Ticket Granting Server (TGS) in the Kerberos authentication process?	
(A) It decrypts the ticket and authenticator, verifies the request, and creates a ticket for the requested application serve	er.
B It encrypts the client's password to create a ticket.	
C It creates and sends a session key to the client for encryption.	
D It grants access to the application server by verifying the user's credentials.	
Question 13  Encrypt the plaintext message "SUCCEED IN FIRST ATTEMPT" using the transposition method and the secret key "HELLO". ciphertext is <u>Blank 1</u>	1 Point The
Blank 1 Add your answer	
C	ontinue
Question 14	1 Point
Question 14  Which security principle does Sarah need to employ if she needs a security system that checks every user's access against access control mechanism?	
Which security principle does Sarah need to employ if she needs a security system that checks every user's access against	
Which security principle does Sarah need to employ if she needs a security system that checks every user's access against access control mechanism?	
Which security principle does Sarah need to employ if she needs a security system that checks every user's access against access control mechanism?  A Fail-safe default	
Which security principle does Sarah need to employ if she needs a security system that checks every user's access against access control mechanism?  A Fail-safe default  B Economy of mechanism	

Question 15 (1 Point

- 1. Alice and Bob can the shared secret key for secure communication.
- 2. Alice and Bob agree on a public prime number and a base.
- 3. Alice and Bob exchange their public values.

Blank 1

Add your answer

- 4. Alice chooses a secret number and calculates her public value. Bob chooses his secret number and calculates his public value.
- 5. Each of them calculates the shared secret key using their private number and the other's public value.

<b>A</b> 2, 4, 3, 5, 1	
<b>B</b> 5, 4, 2, 1, 3	
<b>C</b> 3, 1, 4, 2, 5	
<b>D</b> 1, 2, 3, 4, 5	
Question 16	1 Point
Which access model is most appropriate for companies with high employee turnover?	
(MAC)	
B Role-based access control (RBAC)	
C File access control (FAC)	
D Discretionary access control (DAC)	
Question 17	1 Point
Decrypt the ciphertext message " <b>AS AEO REWLG TE TUREDCOA</b> " using the transposition method and the secret key . The plaintext is <b>Blank 1</b>	"LEARNT"

Continue

Question 18	1 Point
The function consists of two phases of encryptions, one with a symmetric encryption key and one with a public	key.
A Clear-signed data	
B Enveloped data	
© Signed and enveloped data	
D Signed data	
Question 19	1 Point
What type of encryption uses the same key to encrypt and to decrypt information?	
A Asymmetric encryption	
B No type of encryption uses the same key to encrypt and decrypt information	
© Symmetric encryption	
D Non-symmetric encryption	
Question 20	1 Point
Question 20  A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?	ced that it
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you	iced that it
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?	iced that it
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?  A ARP poisoning	ced that it
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?  (A) ARP poisoning  (B) MAC flooding	iced that it
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?  (A) ARP poisoning  (B) MAC flooding  (C) ARP spoofing	iced that it
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?  (A) ARP poisoning  (B) MAC flooding  (C) ARP spoofing  (D) MAC hijacking	iced that it u think is
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?  (A) ARP poisoning  (B) MAC flooding  (C) ARP spoofing  (D) MAC hijacking  Question 21	iced that it u think is
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?  (A) ARP poisoning (B) MAC flooding (C) ARP spoofing (D) MAC hijacking  Question 21  How do metamorphic worms differ from polymorphic worms?	iced that it u think is
A network administrator has noticed that the central switch of their network is failing due to a malicious attack. They notic looks like it is not able to accept any new device connection, although there are many ports available. Which attack do you happening here?  (A) ARP poisoning (B) MAC flooding (C) ARP spoofing (D) MAC hijacking  Question 21  How do metamorphic worms differ from polymorphic worms? (A) Metamorphic worms rewrite their own code entirely, making each version unique.	iced that it u think is

Question 22	1 Point
The security principle which states that individuals will be given only the level of access that is appropriate for their specion function is called	ific job role
(A) job rotation	
B separation of duties	
© implicit deny	
D least privilege	
Question 23	1 Point
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.	s an
A Structured Query Language (SQL) injection	
B Buffer overflows	
C Cross-site scripting (XSS)	
D Traversal attacks	
Question 24	1 Point
Question 24  When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.	
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is	
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.	
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.  A Cross-site scripting (XSS)	
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.  A Cross-site scripting (XSS)  B SQL injection	
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.  A Cross-site scripting (XSS)  B SQL injection  C Command injection	
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.  A Cross-site scripting (XSS)  B SQL injection  C Command injection  D XML injection	s an
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.  (A) Cross-site scripting (XSS)  (B) SQL injection  (C) Command injection  (D) XML injection  Question 25	s an
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.  (A) Cross-site scripting (XSS)  (B) SQL injection  (C) Command injection  (D) XML injection  Question 25  Which encryption algorithm that uses block mode is considered not suitable for sending images?	s an
When an attacker injects client-side scripts into web pages viewed by other users so that those users interact with it, it is example of attack.  A Cross-site scripting (XSS)  B SQL injection  C Command injection  D XML injection  Question 25  Which encryption algorithm that uses block mode is considered not suitable for sending images?  A Cipher Block Chaining CBC	s an

Question 26	1 Point
Which of the following is not a step in the TLS handshake process?	
(A) Certificate Verification	
B Server Hello	
C Application Data Transfer	
D Client Hello	
Question 27	1 Point
An operating system received many ICMP packets of very large and odd sizes and crashed. Which Denial of Service at happened?	tack type
A Ping of Death	
B Teardrop attack	
C ICMP flood	
D SYN Flood	
Question 28	1 Point
Which of the following statements best describes the <b>Key Exchange</b> phase in the SSH message exchange process?	
(A) The client and server agree on the cryptographic algorithms to be used for the session.	
(B) The client formally begins secure communication by sending an encrypted message using the session key.	
C The client and server exchange their identification strings to initiate the handshake.	
D The client sends a randomly generated key, encrypted with the server's public key, and the server verifies and	responds.
Question 29	1 Point
Decrypt the message "Kssh Pygo mr MGX" using the Caesar cipher substitution method and the rotation value of "4". is <u>Blank 1</u>	The plaintext
Blank 1 Add your answer	

Continue

Question 30	oint
Which of the following statements best describes the role of <b>TLS in HTTPS communication</b> ?	
A TLS provides encryption, integrity, and authentication for HTTP communications.	
B TLS operates at the network layer to provide security for IP packets.	
C TLS ensures that HTTP requests and responses are compressed for faster transmission.	
D TLS replaces HTTP as the primary protocol for web communication.	
Question 31	oint
What type of attack can be prevented by using ESP in IPSec?	
A Message replay	
B Denial of service	
C Man-in-the-middle	
D Eavesdropping	
Question 32	oint
Which of the following would be defined as an absence or weakness of a safeguard that could be exploited?	
A risk	
B A vulnerability	
C An exposure	
D A threat	
Question 33	oint
A hacker is attempting to decrypt an encrypted message by analysing the most commonly occurring characters and comparing them to typical letter distributions in the target language. Their aim is to reconstruct the original plaintext without knowing the encryption key. Which cryptanalysis technique is the hacker using in this scenario?	777
A Known Plaintext Attack	
B Differential Cryptanalysis Attack	
© Dictionary Attack	
D Frequency and pattern analysis	

Question 34	(1 Point)
-------------	-----------

Encrypt the message "It takes time" using the Caesar cipher substitution method and the rotation value of "3". The ciphertext is *Blank 1* 

Blank 1 Add your answer

Continue

Question 35 1 Point

A hacker is conducting an information gathering assessment on a server they aim to exploit. Which of the scanning methods should the hacker avoid since it is considered too noisy and might be flagged as malicious; hence, they risk getting caught at this early stage?

(A) Connect scan

B Syn scan

C Ping scan

(D) Fin scan