

### السؤال 10

.It is used in government, military, and financial environments, where higher security is required

- Discretionary access control ☐
- Role-based access control ☐
- Mandatory access control ☒
- Attribute-based access control ☐

### السؤال 13

.Mobile systems are installed in vehicles that perform the function of a structure, but at a fixed location

- True ☐
- False ☒

## السؤال 19

Difference between proxy and firewall

- The proxy is same as firewall ☐
- The proxy maybe software or hardware solution ☐
- The proxy is only a software solution ☒
- None of the above ☐

### السؤال 25

In Password selection strategies, users are provided with guidelines for selecting passwords which is called

- Proactive password checking ☐
- User Education ☒
- Computer-generated passwords ☐
- Reactive password checking ☐

#### السؤال 14

Facilities are those technical and human services that support the operation of the system are called

- Supporting facility ☒
- Operating location ☐
- Physical facility ☐
- Access control ☐

#### السؤال 24

In Polyalphabetic Ciphers, The relationship between a character in plaintext to character in ciphertext is

- one-to-many ☒
- many-to-many ☐
- one-to-one ☐
- many-to-one ☐

#### السؤال 26

It refers to the audit logs and tracking user activity

- Authentication ☐
- Authorization ☐
- Identification ☐
- Accountability ☒

#### السؤال 23

locks can be integrated into alarm systems and sensors to create various combinations of locking behavior are called

- Manual locks ☐
- Programmable locks ☐
- Electronic locks ☒
- Biometric locks ☐

#### السؤال 29

In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K= (4)$  to encrypt the FIRST letter in the word "CORONA", the result will be

- I ☒
- S ☐
- X ☐
- Z ☐

## السؤال 27

The process of access control procedure can be ordered as following

Identification - Authentication - Authorization - Accountability ☒

Authentication - Identification - Authorization - Accountability ☐

Accountability - Authentication - Authorization - Identification ☐

Authorization - Authentication - Identification - Accountability ☐

## السؤال 22

.A program that hides inside another program or disguises itself as a legitimate program

Trojan ☒

Hoax ☐

Virus ☐

Worm ☐

## السؤال 32

.In the Playfair Cipher, if the two letters are located in the same row, the cipher is the next letter to the .....in the same row

Down ☐

Up ☐

Left ☐

Right ☒

## السؤال 21

One of the criteria for choosing biometrics means that the trait should be different for individuals in relevant population so that they can be distinguished from one another, this is called

Uniqueness ☒

Permanence ☐

Universality ☐

Performance ☐

5419

## السؤال 38

.This part shows how a virus spreads by modifying other code to contain a copy of the virus

Infection Mechanism ☐

Trigger ☐

Payload ☐

None of the mentioned ☒

### السؤال 28

.To check the integrity, we run the..... again and compare the new digest with the previous one

- Hash function ☒
- Digital signature ☐
- Intrusion detection ☐
- None of the above ☐

### السؤال 33

In brute force attack

- Attackers benefit from the patterns created in ciphertext ☐
- Attackers benefit from statistical characteristics of language ☐
- A and B are both correct ☐
- None of the above ☒

### السؤال 34

.A ..... can not run independently, it requires a host program to run and activate them

- Worm ☐
- Virus ☐
- Logic Bomb ☐
- All the mentioned a, b and c ☒

### السؤال 39

It is a mean of authenticating user identity which is based on something the individual possesses

- Voice pattern, handwriting ☐
- Fingerprint, retina, face ☐
- Smartcard, electronic keycard, physical key ☐
- Password, PIN, answers to prearranged questions ☒

## السؤال 36

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Honeypots is a relatively recent revolution in

Proxy systems ☐

firewall systems ☐

Intrusion detection systems ☒

All of the above ☐

## السؤال 37

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.A proxy server can secure or block the host from users accessing the site from the Internet

True ☒

False ☐

## السؤال 31

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.Physical security protects physical resources as people, hardware, but not data transmission

True ☐

False ☒

part shows how a virus spreads by modifying other code to contain a copy of the virus.

Infection Mechanism

Trigger

Payload

None of the mentioned

Put all your Answers here in the table

Statement number	Correct choice	Statement number	Correct choice	Statement number	Correct choice
1	C	11	C	21	B
2	C	12	C	22	A
3	C	13	D	23	B
4	a	14	a	24	A
5	a	15	D	25	B
6	a	16	D	26	D
7	C	17	B	27	A
8	a	18	A	28	B
9	D	19	D	29	D
10	A	20	A	30	D

يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 2

In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K = (5)$  to encrypt the Third letter in the word "CORONA", the result will be

- H ☐
- Z ☐
- R ☐
- X ☐

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اكتب هنا للبحث



**QUESTION 2:**

**A. List three of access control model (3 marks)**

**[10 marks]**

Answer:

1. Discretionary access control
2. Mandatory
3. Role-based

**B. List three disadvantages (ضعف) of firewall: (3marks)**

Answer:

1. Firewall represents a single point of failure
2. Degraded network performance due to the time encryption/decryption
3. Firewall is not a cure-all, it's just a first line of defense

**C. List four Approches of storing password file : (4 marks)**

Answer:

1. Clear password
2. Hashed
3. Salted
4. Combined password

8- In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=4$  to encrypt the FIRST letter in the word "CORONA", the result will be

- a-D
- b-S
- c-X
- d-Z

A

9- In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=4$  to encrypt the SECOND letter in the word "CORONA", the result will be

- a-N
- b-A
- c-S
- d-E

10- In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=5$  to encrypt the Third letter in the word "CORONA", the result will be

- a-H
- b-Z
- c-R
- d-X

11- In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=5$  to encrypt the LAST letter in the word "CORONA", the result will be

- a-T
- b-Y
- c-A
- d-O

12- One of the criteria for choosing biometrics means that every person using a system has a unique trait, this is called

- a-Uniqueness
- b-Permanence
- c-Universality
- d-Performance

13- In the Playfair Cipher, if the two letters are located in the same row, the cipher is the next to the .....in the same row.

- a-Down
- b-Up
- c-Left
- d-Right

D

14- In Asymmetric method, receiver of the cipher text decrypt the message by

- a-sender public key
- b-receiver private key
- c-sender private key
- d-receiver public key

A



monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=4$  to encrypt the FIRST letter in the word "CORONA", the result will be

In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=4$  to encrypt the letter in the word "CORONA", the result will be

N  
-A  
S  
-E ✓

0- In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=4$  to encrypt the letter in the word "CORONA", the result will be

-H ✓  
-Z  
-R  
-X

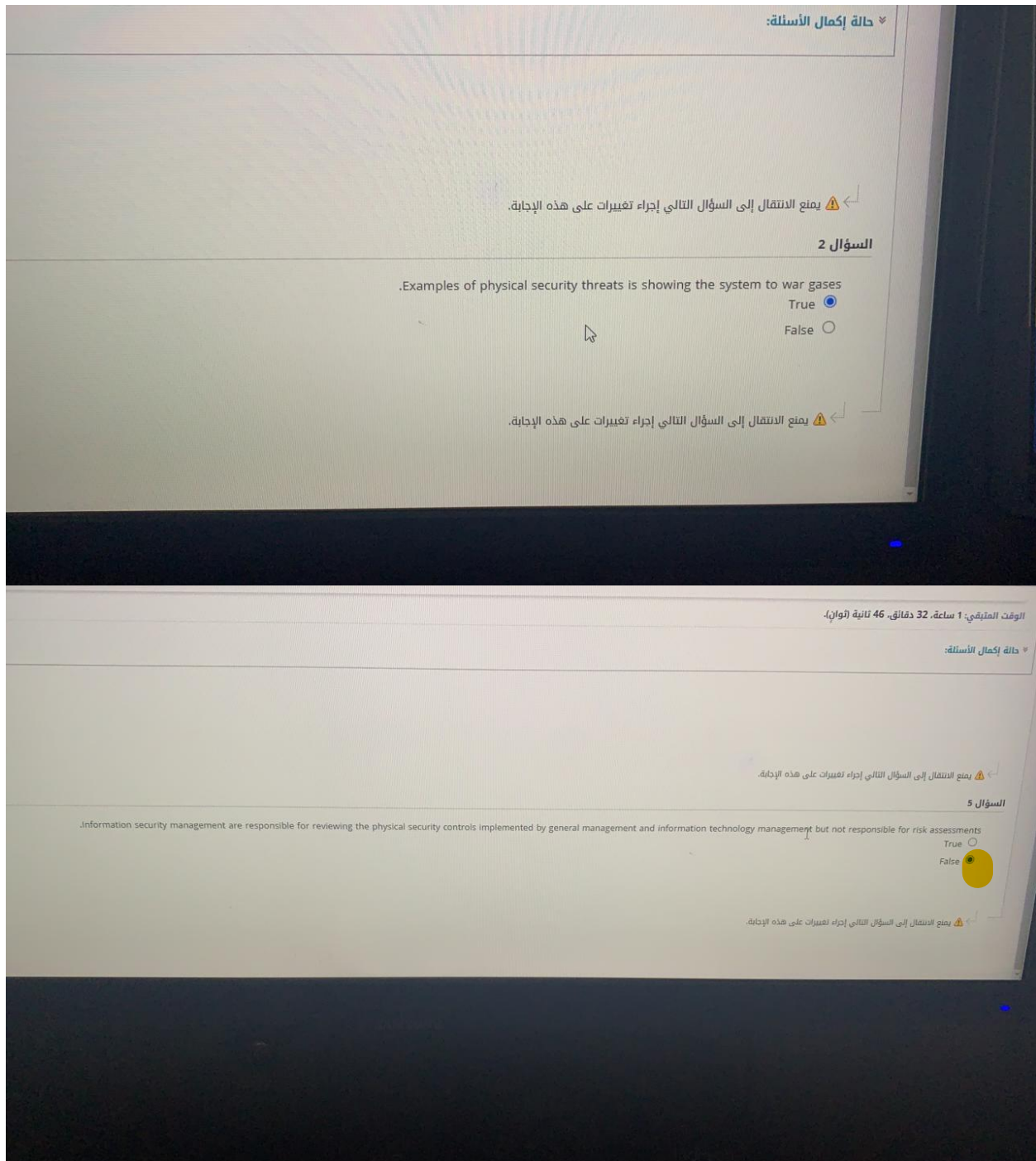
1- In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=4$  to encrypt the letter in the word "CORONA", the result will be

-T  
-Y  
-A ✓  
-O

2- One of the criteria for choosing a cipher is the trait, this is called  
a- Uniqueness  
b- Permanence  
c- Universality ✓  
d- Performance

In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K=5$  to encrypt the LAST letter in the word "CORONA", the result will be

- T ☐  
Y ☐  
A ☐  
O ☐



⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

### السؤال 1

One of the criteria for choosing biometrics means that every person using a system should own the trait, this is called

- Uniqueness ☐
- Permanence ☐
- Universality ☒
- Performance ☐

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

### السؤال 6

The first line of defense is perimeter control at the site location to prevent unauthorized access to the facility is called

- Identification cards and badges ☐
- Security guards ☐
- Walls and fencing and gates ☒
- all are correct ☐

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.



⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

#### السؤال 8

In cyberterrorism, Internet can be used for information warfare by using..... instead of missiles to bomb enemy's crucial information technology infrastructure

- Information ☐
- Networks ☐
- Internet ☐
- Computers ☒

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

#### السؤال 7

Develop a large dictionary of possible passwords and try each against the password file

- Dictionary attacks ☐
- Password crackers ☒
- Rainbow table attacks ☐
- Man in the middle attack ☐

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 19

هجوم شامل

In exhaustive-key-search attack

- Attackers benefit from the patterns created in ciphertext ☐
- Attackers benefit from statistical characteristics of language ☐
- Attackers try to use all possible keys until the plaintext make sense ☒
- All of the above ☐

يحاول المهاجم تجربة كل مفتاح

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⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 20

هجوم

Most hackers are amateurs with modest computer and net skills, though, they are dangerous since they use automated attack programs ☒

برامج الهجوم الآلي

- use traditional programs ☐
- use business programs ☐
- use secured programs ☐





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### السؤال 25

A secret entry point into a program that allows gain access without going through the usual security access procedure called

- Logic bombs ☐
- Trojan horses ☐
- Trapdoors ☒
- Viruses ☐

عقدة  
رخول

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

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### السؤال 28

The hash function creates a fixed-size digest from a variable-length message and Two messages will

- Create the same digest ☐
- Not create the same digest ☒
- create multiple number of the same digest ☐
- None of the above ☐

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 30

In Monoalphabetic Ciphers, if we use Multiplicative cipher with  $K = (4)$  to encrypt the SECOND letter in the word "CORONA", the result will be

N ☐

A ☐

S ☐

E ☒

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 12

In Monoalphabetic Ciphers, The relationship between a character in plaintext to character in ciphertext is

many-to-many ☐

one-to-one ☒

one-to-many ☐

many-to-one ☐

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

#### السؤال 16

Computer systems security requires protection of both logical and physical assets

True ☒

False ☐

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

#### السؤال 20

In brute force attack

Attackers benefit from the patterns created in ciphertext ☐

Attackers benefit from statistical characteristics of language ☐

A and B are both correct ☐

None of the above ☒

⚠️ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.



يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

### السؤال 37

The process of presenting an identifier to the security system is the ..... step

- authentication ☐
- verification ☐
- identification ☒
- clarification ☐

يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

### السؤال 10

It is used in government, military, and financial environments, where higher security is required

- Discretionary access control ☐
- Role-based access control ☐
- Mandatory access control ☒
- Attribute-based access control ☐

### السؤال 30

In Asymmetric method, receiver of the cipher text decrypt the message by

- sender public key ☒
- receiver private key ☒
- sender private key ☐
- receiver public key ☐

المتاح الخاطئ  
المستحيل

### السؤال 35

.In the Playfair Cipher, if the two letters are located in the same column, the cipher is the next letter to the ..... in the same column

- Down ☒  
Up ☐  
Left ☐  
Right ☐

### السؤال 40

.Examples of physical security threats is showing the system to war gases

- True ☒  
False ☐

### السؤال 20

One of the criteria for choosing biometrics means that every person using a system should own the trait, this is called

- Uniqueness ☐  
Permanence ☐  
Universality ☒  
Performance ☐

UNIL