

ACADEMIC YEAR 2023 – 2024

Program	Term	Semester	Paper
FOUNDATION	2	1	MIDTERM
MODULE NAME:	INFORMATION TECHNOLOGY-III		
MODULE CODE:	FCOM003	EXAM DATE:	04/01/2024
TEACHER'S NAME:	Ahlam Al Balushi	DURATION:	1 hr 30 mins.

Questions to be answered on:	Allowed requirements	Number of pages
Moodle	Computer	5

Points of Attention:

- For each question, the maximum earned points are mentioned between brackets at the end of each question.
- Make sure your answers are written to the point.
- All answers must be written **in English**.
- When finished, save you answer on Moodle or hit submit button.
- Cheating /copying is not allowed and will result in failing the exam.

STUDENT NAME:		FINAL MARKS
STUDENT ID:		
CLASS:		20

Number of answer scripts:

Invigilator:

Student's signature:

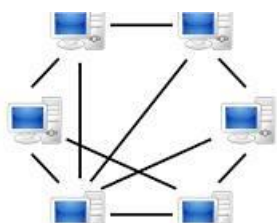
Time of receipt:

Question 1

[10 Marks]

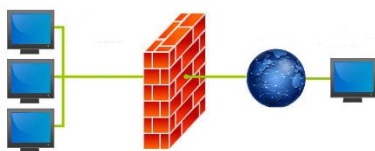
Choose the correct answer.

1. What is the best characteristic of the figure below in a computer network?



(Pickle & Christensson, 2023)

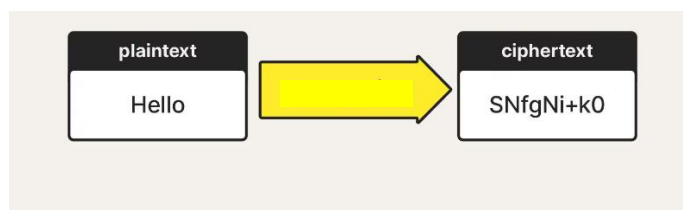
- a. Each computer acts as a server or a client.
 - b. It has a centralized server that manages all resources and services.
 - c. Each computer can transfer data to others over the internet.
 - d. It can be used to cover a large geographic area.
2. 192.168.0.1 is an example of _____.
- a. Domain Name System
 - b. IP address
 - c. Transition Control Protocol
 - d. Digital Network Security
3. Which networking component is responsible for determining the best path for data to travel between devices on different networks?
- a. Modem
 - b. Switch
 - c. Router
 - d. Hub
4. What is the primary function of the figure below in a computer network?



(Andrea, 2020)

- a. Assigning IP addresses
- b. Connecting devices within a LAN
- c. Translating domain names to IP addresses
- d. Filtering and controlling network traffic

10. The process illustrated below is called _____.



(Stouffer, 2023)

- Decryption
- Encryption
- Reduction
- Reproduction

Question 2

[5 Marks]

Fill in the gaps with the correct terms from the given box.

web pages	HTTPS	domain type	hyperlink
URL	markup	domain name	ISP

- HTML is a standard _____ language used to create and design on the World Wide Web.
- _____ is a reference or address used to access resources on the Internet. It typically includes the protocol, the _____, and the path to the specific resource.
- A _____ is a reference or navigation element in a document that, when clicked, directs the user to another _____.
- A corporation that provides internet access to business and personal customers is called _____.
- _____ is a secure protocol that is used to transfer web files, such as banking files, over the Internet.

Question 3

[5 Marks]

Match the definition with the terms provided.

No.	Definition		Terms
1	A process used to transform encrypted data back into its original, readable form.		a. Commercial Website
2	A type of cyber-attack where attackers attempt to trick individuals into sharing sensitive information, such as usernames, passwords, or credit card details.		b. Spyware
3	Software that secretly gathers information about a user's activities without their knowledge, typically for malicious purposes.		c. Decryption
4	A website that requires users to create an account and log in to access its content or services.		d. Phishing
5	A website operated by a business or company that aims to sell products or services to customers.		e. Membership Website

MLO & Bloom's Level of Complexity

Q #	MLO Addressed	Complexity Level	Mark	Remark
1	1, 2, 3,4	Understanding	1	
2	2	Understanding	1	
3	2, 3, 4	Understanding	1	

References:

Andrea, H. (2020) Network based firewall vs host based firewall-discussion & comparison, Networks Training. Available at: <https://www.networkstraining.com/network-based-firewall-vs-host-based-firewall-discussion-and-comparison/> (Accessed: 16 December 2023).

Morrison, C., Pusins, D. and Ruffolo, L. (2015). *Computer Literacy Basics: A comprehensive Guide to IC3*. 5th edn. Stanford: Cengage Learning.

Pickle, B. and Christensson, P. (2023). P2P, Definition - What is a peer-to-peer network? Available at: <https://techterms.com/definition/p2p> (Accessed: 16 December 2023).

Stouffer, C. (2023) *What is encryption? how it works + types of encryption – Norton, United States*. Available at: <https://us.norton.com/blog/privacy/what-is-encryption> (Accessed: 19 December 2023).