

Final Exam
FCOM001: BASIC INFORMATION TECHNOLOGY
Fall-T1 2024

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, submit your exam on the Blackboard.
- Any cheating/copying will result in failing the examination
- Any cheating/copying may result in an instant failing of the examination.

Exam Duration: 2 hours
Instructor's Name: Mitha Al-Khazimi
Exam Date: 29/11/2024
Program: FND

	40
	10

Student Information

Name: ID:

Signature:

Invigilator

Initials: ☐ Student ID checked

Time received:

Question 1**[30 Marks]****Circle the correct answer.**

1. A term refers to a disk that is installed in the system unit.

- a. removable disk
- b. drive
- c. subfolder
- d. hard disc

2. A _____ is a notation indicating where a file is located on your computer.

- a. file extension
- b. file name
- c. file path
- d. file format

3. The primary function of a computer is _____.

- a. to play games
- b. to store data
- c. to process information
- d. to browse the internet

4. _____ is used to connect a wireless mouse to a laptop computer.

- a. Cable
- b. Expansion card
- c. Stylus
- d. USB adapter

5. _____ uses flash memory technology to store data as electrical rather than magnetic charges.

- a. Optical drive
- b. Blu-ray disc
- c. Solid-state drive
- d. Mechanical hard drive

6. Which of the following pointing devices is best suited for users with limited desk space?
- a. trackball
 - b. digital pen
 - c. optical mouse
 - d. scanner
7. A screen that manipulates light within a layer of liquid crystal cells to produce an image.
- a. USB
 - b. LCD
 - c. RFID
 - d. LED
8. The smallest types of removable media are called _____.
- a. express cards
 - b. memory cards
 - c. CD-RS modules
 - d. adapter cards
9. _____ is an example of application software.
- a. Operating system
 - b. Utility software
 - c. Web browser
 - d. Server operating system
10. Data can be transformed into information _____.
- a. by collecting more data from various sources
 - b. by organizing, analyzing, and interpreting the data
 - c. by generating reports based on raw data
 - d. by digitizing physical records into a database
11. Which type of operating system is specifically designed for handheld devices like smartphones and tablets?
- A. Personal computer
 - B. Operating systems
 - C. Mobile computing operating systems
 - D. Server operating system

12. The purpose of file management in an operating system is _____.

- a. running multiple applications simultaneously
- b. providing network services to other computers
- c. storing and organizing files and directories
- d. optimizing CPU and memory usage

13. What is the role of device management in an operating system?

- a. Runs multiple tasks simultaneously
- b. Manages and controls hardware devices
- c. Provides network services to other computers
- d. Creates and edits electronic content

14. The function of RAM in a computer is _____.

- a. to store data for a long time
- b. to manage computer resources and activities
- c. to provide temporary storage for running programs
- d. to control the hardware devices connected to a computer

15. RJ-45 is commonly referred to as _____.

- a. Ethernet port
- b. USB port
- c. HDMI port
- d. Serial port

16. The purpose of a LAN (Local Area Network) is _____.

- a. to connect multiple computers within a limited area
- b. to connect computers to the internet
- c. to establish wireless connections
- d. to transfer data between peripheral devices

17. The speed of a processor is measured in terms of _____.

- a. memory capacity
- b. cycles per second or frequency
- c. the number of peripheral devices attached
- d. bits and bytes

18. _____ is the smallest unit of data in a computer's memory.
- a. Bit
 - b. Byte
 - c. Hertz
 - d. Gigahertz
19. The is a single computer chip that contains all the electronic circuitry for performing a personal computer's processing tasks.
- a. RAM
 - b. OSU
 - c. CPU
 - d. ROM
20. What is the correct difference between an internal hard disk drive and an external hard disk drive?
- a. Internal hard disk drives are removable, while external ones are not.
 - b. Internal hard disk drives have read/write heads, while external ones do not.
 - c. Internal hard disk drives are faster than external ones.
 - d. Internal hard disk drives are permanently attached to the computer, while external ones can be disconnected.
21. Which category do popular operating systems like iOS, Android, Windows Phone, and Windows RT fall under?
- a. Personal
 - b. Mobile
 - c. Server
 - d. Network
22. In a computer system, what term is used to describe any component needed by the system to perform tasks?
- a. User Interface
 - b. Resource
 - c. Utility Program
 - d. Platform

23. Which operating system allows you to work with more than one program at the same time?

- a. multitasking
- b. single-tasking
- c. real-time
- d. batch

24. _____ is a way to turn off a computer session.

- a. Signing out
- b. Locking
- c. Shutting down
- d. Restarting

25. When data is processed into a meaningful form, it becomes _____.

- a. information
- b. storage
- c. input
- d. memory

26. _____ accepts and carries out instructions from software.

- a. Motherboard
- b. Buffer
- c. Device drivers
- d. Processor

27. _____ file is created when working with an application.

- a. Executive
- b. Data
- c. Application
- d. System

28. The default view for any folder in the pictures library is _____ view.

- a. Large icons
- b. Thumbnail
- c. Details
- d. Tile

29. Identify the device shown in the image and its primary function.



(Morrison, 2015)

- a. External hard drive; used to expand storage capacity
- b. Printer; used to print documents
- c. Wi-Fi router; used to improve internet connection
- d. USB hub; used to add more USB port

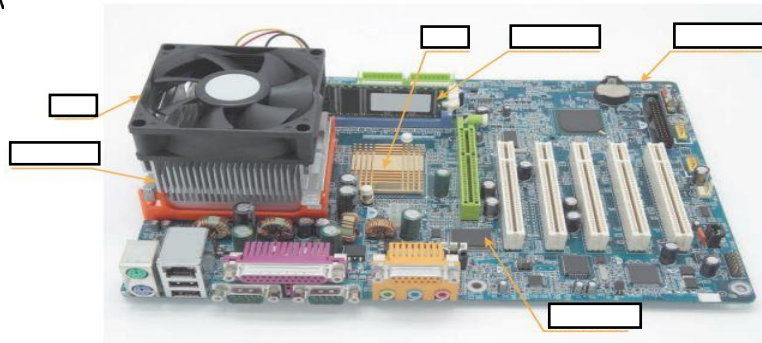
30. An / A _____ provides a quick way to perform an action such as opening a folder or a file.

- a. pin
- b. arrow icon
- c. tile
- d. shortcut

Question 2

[10 Marks]

1. Drag and drop the labels to their correct positions on the computer motherboard shown in the image below



(Morrison, 2015)

CPU	Fan	ROM chip	Heat sink	RAM board	Motherboard
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2. Drag and drop the steps of the computer boot process in the correct order based on the diagram below.

	Serial Port- It is used to connect modem or special input devices.
	Parallel Port -It is used to connect printer or projector.
	VGA Port (Video Graphics Array) - Connects the system monitor or screen or projector to a computer's video card.
	USB (Universal Serial Bus) - Consumer electronics devices and peripheral devices are connected by this port.
	Network Port-This is used to connect for Inter connection through computer network. They are also called Ethernet port.
	Midi (musical instrument digitized interface) Port-This port is used to connect electronic musical instruments with the computer system to record and for playing purposes.

	Wireless devices-Wi-Fi or Wi-Fi routers are used to for internet connection without cables.
	Hub-It usually have many ports. Commonly used in LAN (Local Area Network) Connection.

(Morrison, 2015)

Reference:

Morrison, C., Pusins, D. and Ruffolo, L. (2015). *Computer Literacy Basics*. 5th ed. USA: Cengage Learning.

MLO & Bloom's Level of Complexity

#Q	MLO Addressed	Complexity Level	Marks	Remarks
1	1, 2, 6, 8	Understand / Apply/ Analyze /Evaluate /Create	30	
2	1, 2, 3, 6, 8	Remember / Understand / Apply / Analyze / Evaluate / Create	10	