

MIDTERM EXAM

FCOM001: BASIC INFORMATION TECHNOLOGY-I

Fall-T2 2024-25

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: 11/02/2024
Program: FND

	40
	10

Student Information

Name: ID:
Signature:

Invigilator

Initials: ☐ Student ID checked
Time received:

Question 1. Read the questions and choose the correct answer.**[30 Marks]**

1. Which category do the following operating systems primarily belong to: iOS, Android, Windows Phone, and Windows RT?
 - a. Personal
 - b. Server
 - c. Mobile
 - d. Network
2. An operating system that allows a user to work with multiple programs simultaneously is referred to as _____.
 - a. Multitasking
 - b. Single User
 - c. Multiuser
 - d. Command-Line
3. Ending a computer session solely by turning off the power to the device is termed as:
 - a. Signing Out
 - b. Locking
 - c. Shutting Down
 - d. Restarting
4. When data is processed into a meaningful form, it becomes _____.
 - a. information
 - b. storage
 - c. input
 - d. memory
5. _____ is a single computer chip that contains all the electronic circuitry for performing a personal computer's processing tasks.
 - a. RAM
 - b. CPU
 - c. OSU
 - d. PCU
6. Which part of a computer decides how fast it can follow instructions from software?
 - a. Motherboard
 - b. Buffer
 - c. Device Drivers
 - d. Processor

-
7. When developers make major improvements to software, add new features, or change the design, the new version is called a(n)_____.
- a. Service Pack
 - b. Platform
 - c. Upgrade
 - d. Optional Update
8. _____is the default view for folders in the Pictures library which provides images of graphics files.
- a. Large Icons
 - b. Details
 - c. Thumbnail
 - d. Tiles
9. _____is a disk that is installed in the system unit.
- a. Removable Disk
 - b. Drive
 - c. Subfolder
 - d. Hard Disk
10. _____ is a notation indicating where a file is located on your computer.
- a. File Extension
 - b. File System
 - c. File Path
 - d. File Attribute
11. 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

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



(Morrison, 2015)

- 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

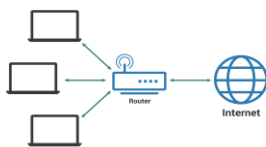
13. RJ-45 is commonly referred to as _____.



(Morrison, 2015)

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

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



(Morrison, 2015)

- 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

15. 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
16. _____ is the smallest unit of data in a computer's memory.
a. Bit
b. Byte
c. Hertz
d. Gigahertz
17. 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.
18. 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
19. 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
20. What happens to the contents of RAM when the system's power is turned off?
a. They are permanently erased.
b. They are saved to a non-volatile storage device.
c. They are transferred to the operating system.
d. They remain unaffected.

21. What category does 'Windows 10' belong to?



(Morrison, 2015)

- a. Hardware devices
- b. Programming languages
- c. Operating systems
- d. Internet browsers

22. What are buffers used for in the context of input and output tasks?

- a. To store documents permanently.
- b. To allocate memory for application programs.
- c. To optimize CPU and memory usage.
- d. To temporarily hold data before transferring it to a device.

23. Where are hubs commonly used in computer networks?



(Morrison, 2015)

- a. LAN connections
- b. USB connections
- c. Serial connections
- d. HDMI connection

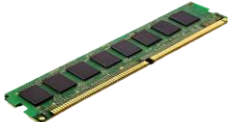
24. The primary function of a hard disk drive is _____ .

- a. to store and retrieve data
- b. to measure the speed of the processor
- c. to manage data flow between the operating system and peripherals
- d. to provide basic input/output functionality

25. _____ is an example of application software.

- a. Operating system
- b. Web browser
- c. Utility software
- d. Server operating system

Question 2**[15 Marks]****1. Place each term in the appropriate picture.****(10 marks)**

	RAM
	CPU
	Network Computer
	Motherboard
	Hard disk (HD)
	ROM

(Morrison, 2015)

2. Drag and drop the labels to their correct positions on the Ports on a laptop computer shown in the image below. (5 marks)



(Morrison, 2015)

VGA port to connect to an external monitor	FireWire (IEEE 1394) port	Audio ports
RJ-45 jack for Ethernet cable	Power connector	USB port
		HDMI port

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	