

FINAL EXAM

FCOM002: BASIC INFORMATION TECHNOLOGY-II

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: 11/02/2025
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. What is the primary purpose of access rights_____?
 - a. to allow users to modify and delete any file in the system.
 - b. to prevent users from logging into the system.
 - c. to grant full administrative privilege to all users.
 - d. to control who can view, modify, or manage data and resources.
2. Which of the following is NOT a reason for the existence of copyright laws?
 - a. To protect the rights of creators and authors.
 - b. To allow unrestricted use of all creative works.
 - c. To encourage creativity and innovation.
 - d. To provide creators with control over the distribution of their work.
3. The term 'software license' refers to _____.
 - a. the legal agreement that defines how the software can be used and distributed
 - b. free, unlimited access to all future updates and versions of the software
 - c. the physical ownership of the software and its source code
 - d. the right to modify and resell the software as desired
4. A key characteristic of a differential backup is _____.
 - a. backing up all files on the system, regardless of changes
 - b. backing up the files that have changed since the last incremental backup
 - c. backing up only selected files
 - d. backing up the files that have changed since the last full backup
5. All statements about commercial software are false, EXCEPT ONE. Choose the true Statement.
 - a. It is developed for non-profit organizations only.
 - b. It allows full access to its source code for modifications.
 - c. It requires purchase and is designed for sales and profit.
 - d. It requires a subscription after a trial period.
6. Which of the following is considered the best practice for password security?
 - a. Using the same password for all accounts.
 - b. Creating a combination of lowercase and uppercase letters, numbers, and symbols.
 - C. Writing passwords containing your birthdate.
 - d. Choosing easily memorable passwords like '12345678.'

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7. When a software program is purchased, the user acquires a _____ that permits him or her to use the software.
- a. software license
 - b. software management
 - c. software agreement
 - d. none of the above
8. To use a backup copy of a file, you first need to _____ it, which means to copy the file to its original location on your computer.
- a. repair
 - b. restore
 - c. recover
 - d. reinstate
9. Which of the following operating systems is known for being free and open-source software available from many sources?
- a. Linux.
 - b. Windows.
 - c. Mac OS X.
 - d. Netware.
10. Windows 10 is a type of _____.
- a. Freeware software
 - b. Commercial software
 - c. Shareware software
 - d. Open-Source software
11. A/An _____ is an exact duplication of the hard drive, including data files, system files, settings, application files, and the operating system.
- a. differential backup
 - b. incremental backup
 - c. full system backup
 - d. all the above
12. _____ is the software which comes with permission for people to redistribute copies for a limited period.
- a. Commercial software
 - b. Open-Source software
 - c. Shareware software
 - d. Freeware software
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13. _____ is a legal contract between a software developer or vendor and the user of the software that sets the rights and restrictions for its use.
- a. Install software
 - b. An end-user license agreement (E.U.L.A.)
 - c. A setup program
 - d. Proprietary program
14. What is the difference between a 32-bit and a 64-bit CPU?
- a. A 32-bit CPU can only work with up to 2GB of RAM, while a 64-bit CPU can work with an almost unlimited amount of RAM.
 - b. A 32-bit CPU is faster than a 64-bit CPU.
 - c. A 64-bit CPU is more efficient than a 32-bit CPU.
 - d. A 64-bit CPU is slower than a 32-bit CPU.
15. What is the difference between a hard drive and a solid state 'SSD' drive?
- a. A hard drive is faster than a solid-state drive.
 - b. A solid-state drive is faster than a hard drive.
 - c. There is no difference between a hard drive and a solid-state drive.
 - d. There are similarities between a hard drive and a solid-state drive.
16. Which type of CPU can work with an almost unlimited amount of RAM?
- a. 16-bit CPU.
 - b. 32-bit CPU.
 - c. 64-bit CPU.
 - d. 128-bit CPU.
17. Which is considered as personal data?
- a. Data that is publicly available.
 - b. Data that is shared with friends and family.
 - c. Data that identifies an individual.
 - d. Data that is stored on personal devices.
18. Which of the following is a part of data protection?
- a. Using complex passwords.
 - b. Sharing data with multiple users.
 - c. Deleting unnecessary data.
 - d. Increasing data storage capacity.

19. A trademark is primarily used for _____.
a. protecting inventions
b. protecting industrial designs
c. identifying the source of goods or services
d. protecting creative expressions
20. What method is used in installing software?
a. CD/DVD.
b. Website.
c. App store.
d. All the options given.
21. If your computer doesn't start properly when you turn it on or restart it, which mode can you try to fix or troubleshoot the problem?
a. Recovery mode.
b. Safe mode.
c. Compatibility mode.
d. Troubleshooting mode.
22. A/An _____ is a boost to the electrical charge that powers a computer and can damage internal system components.
a. power surge
b. energy surge
c. wizard
d. thread
23. During installation, you are often given the choice to select the _____ folder where the program will be installed.
a. Download
b. Desktop
c. Program Files
d. Documents
24. What is Ergonomics?
a. The study of human interactions with computers and software.
b. The design of workplaces and tools to fit the needs of the human body.
c. The study of environmental factors affecting human health.
d. The development of fitness programs for improving physical health.

25. The two types of software licenses are_____.
- a. Single-user license and open-source license
 - b. Site license and free license
 - c. Proprietary license and open-source license
 - d. Single-user license and site license
26. Which is an example of copyrightable work?
- a. A new chemical formula.
 - b. A logo for a company.
 - c. A secret recipe for a food product.
 - d. A novel written by an author.
27. What is the recommended height for a computer monitor to reduce neck strain?
- a. Below eye level.
 - b. At eye level.
 - c. Above eye level.
 - d. Tilted sideways.
28. Which component is most critical for a user who needs a computer for gaming or video editing?
- a. large monitor.
 - b. High-end graphics card (GPU).
 - c. Extra USB ports.
 - d. Built-in webcam.
29. _____ unit is used to measure the processing speed of a computer.
- a. Gigabytes (GB)
 - b. Megahertz (MHz)
 - c. Terabytes (TB)
 - d. Milliseconds (ms)
30. Which of these protects original creative works (e.g., books, music, or movies)?
- a. Trademark.
 - b. Copyright.
 - c. Patent.
 - d. Industrial Design.

Question2:**[10 Marks]**

1. Match the terms in Column A with the correct descriptions in Column B by writing the appropriate letter (a-e) in column C. (5 Marks)

Column A (Terms)	Column B (Descriptions)	Column C (Answers)
1. Full System	a. Refers to analyzing changes or variations within a specific portion of the system	
2. Differential	b. A step-by-step method of adding updates or improvements without affecting the entire system.	
3. Incremental	c. The process of combining all parts of the system into a cohesive whole	
4. Integration Process	d. Represents the entire framework or structure under consideration	
5. Error Adjustment	e. A method used to correct minor discrepancies during the process	

2. List the correct steps to install a program:**(5 Marks)**

1. Accept the software license agreement
2. Launch the installer file
3. Choose the installation location
4. Download the program's setup file from a trusted source
5. Select any additional options or features to install
6. Follow the on-screen instructions to complete the installation
7. Verify the program's installation by opening it

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	