



FINAL EXAMINATION
NOVEMBER 2023

COURSE TITLE	FUNDAMENTALS OF INFORMATION TECHNOLOGY
COURSE CODE	RCIT1113
DATE/DAY	22 FEBRUARY 2024 / THURSDAY
TIME/DURATION	09:00 AM - 11:00 AM / 02 Hour(s) 00 Minute(s)

INSTRUCTIONS TO CANDIDATES :

1. Please read the instruction under each section carefully.
2. Candidates are reminded not to bring into examination hall/room any form of written materials or electronic gadget except for stationery that is permitted by the Invigilator.
3. Students who are caught breaching the Examination Rules and Regulation will be charged with an academic dishonesty and if found guilty of the offence, the maximum penalty is expulsion from the University.

(This Question Paper consists of 8 Printed Pages including front page)

*****DO NOT OPEN THE QUESTION PAPER UNTIL YOU ARE TOLD TO DO SO*****

This question paper consists of THREE (3) sections. Answer ALL questions in the answer booklet provided. [50 MARKS]

SECTION A

(20 Marks)

There are TWENTY (20) questions in this part. Answer ALL questions in the answer booklet.

1. The two basic types of memory in a computer are _____.
 - A. Primary and major
 - B. Primary and Secondary
 - C. Minor and Major
 - D. Main and Secondary

2. Which of the following is non-volatile storage in computer systems?
 - A. Backup
 - B. Secondary
 - C. Primary
 - D. Cache

3. Which of the following is not a function of the Output Unit?
 - A. It accepts the results produced by the computer
 - B. It supplies the data and instructions to the outside world
 - C. It produces results that can be easily understood by the user
 - D. It supplies the data and instructions to the computer for further processing

4. Which unit is responsible for converting the data received from the user into a computer understandable format?
 - A. Memory Unit
 - B. Input Unit
 - C. Output Unit
 - D. Arithmetic & Logic Unit

5. The smallest unit of data in computer is _____.
- A. Byte
 - B. Nibble
 - C. Bit
 - D. KB
6. What does the **COMPUTER** stand for?
- A. Commonly Operated Machines Used in Technical and Educational Research
 - B. Commonly Occupied Machines Used in Technical and Educational Research
 - C. Commonly Operated Machines Used in Technical and Environmental Research
 - D. Commonly Oriented Machines Used in Technical and Educational Research
7. Which one of the following is **NOT TRUE** regarding operating system?
- A. Kernel is the program that constitutes the central core of the operating system
 - B. Kernel is the first part of operating system to load into memory during booting
 - C. Kernel is made of various modules which cannot be loaded in running operating system
 - D. Kernel remains in the memory during the entire computer session
8. The only language which the computer understands is _____.
- A. Assembly Language
 - B. Binary Language
 - C. BASIC
 - D. C Language
9. The main circuit board of a computer is referred to as _____.
- A. Video card
 - B. Motherboard
 - C. VGA card
 - D. None of the above

10. Processor is often referred to _____.

- A. I/O Modules
- B. Hardware
- C. CPU
- D. Bus

11. Programs designed to perform specific tasks is known as _____.

- A. Application Software
- B. System Software
- C. Operating System
- D. None of the above

12. Which of the following types of the computer below is Apple's watch categorized into?

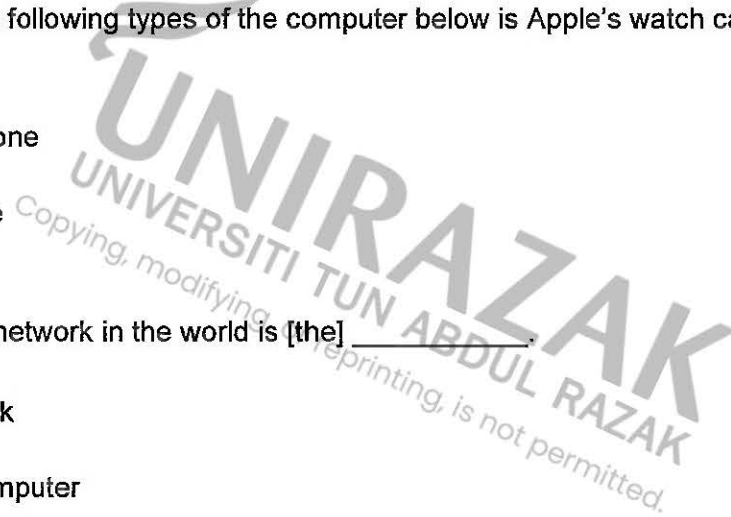
- A. laptop
- B. smartphone
- C. tablet
- D. wearable

13. The largest network in the world is [the] _____.

- A. Facebook
- B. Internet
- C. supercomputer
- D. web

14. What kind of software handles most technical aspects by collaborating with users, application software, and computer hardware?

- A. application
- B. Linux
- C. desktop
- D. system



15. _____ is a mobile operating system developed by Apple.

- A. Android
- B. macOS
- C. iOS
- D. Phone OS

16. Programs that create text-based documents are categorized as _____.

- A. DBMS
- B. suites
- C. spreadsheets
- D. word processors

17. JPG, PNG and GIF are used as extensions for files which store _____.

- A. video
- B. audio
- C. image
- D. executable program

18. Which of these is a benefit from having a network?

- A. Prevent the spread of viruses from computer to computer
- B. Sharing hardware, software and data
- C. Preventing computers from being hacked
- D. Preventing malware

19. What software blocks a system's external access?

- A. Firewall
- B. Gateway
- C. Router
- D. Virus checker

20. Data Encryption Techniques are particularly used for _____.

- A. reduce storage space
- B. decrease data integrity
- C. enhance data integrity
- D. protecting data in data communication system


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SECTION B

(10 Marks)

There are TEN (10) questions in this part. Answer ALL questions in the answer booklet.

Instructions: Categorize the devices given below into the suitable category by putting the letter into the boxes as answer. Write it back in your answer booklet with the **CORRECT** answer.

Categories available:

A - Input Device	B - Processing Device	C - Output Device	D - Storage Device
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Answer by assigning the CORRECT category for each of these devices.

Monitor		Braille reader	
Network Card		Magnetic Card - credit card etc.	
USB Flash Drive		Projector	
Scanner		RAM	
Motherboard		Blu-ray Disc	
Example: VGA Card	B		

SECTION C

(20 Marks)

There are **TWO (2)** questions in this part. Answer **ALL** questions in the answer booklet.

1. Describe **FIVE (5)** output devices that assist in organizing in alongside the use of technology, information, and communication. (10 marks)

2. Wireless connection is a communication technology that does not use a solid substance to connect sending and receiving devices; instead, it transmits data through the air using radio waves. Discuss **FIVE (5)** wireless connection that commonly had been used worldwide. (10 marks)

*** END OF QUESTION PAPER ***

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