



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SCHOOL OF PURE, APPLIED AND HEALTH SCIENCES

DEPARTMENT OF HEALTH SCIENCES

DIPLOMA IN NUTRITION

COURSE CODE: DND- 1104

COURSE TITLE: COMPUTER APPLICATIONS

DATE: 4TH APRIL,2022

TIME: 1100-1300HRS

INSTRUCTIONS:

- THERE ARE **THREE** SECTIONS: SECTIONS **A, B** AND **C**
- ANSWER **ALL** MULTIPLE QUESTIONS IN **SECTION A** AND ALL SHORT ESSAYS IN **SECTION B** AND ANY **TWO** QUESTIONS IN **SECTION C**.

SECTION A: ANSWER ALL MULTIPLE QUESTIONS (MQS) (20Mks)

1. RAM is also called as _____
 - A. Virtual memory
 - B. Volatile memory
 - C. Non volatile memory
 - D. Cache memory
2. A customer comes into a computer parts and service store. The customer is looking for a device to display a promotional presentation to a large audience at a conference. What device should the store owner recommend to accomplish the required task?
 - A. Projector
 - B. joystick or gamepad
 - C. magstripe reader
 - D. AR headset
3. Which characteristic describes ROM?
 - A. A Chip That Cannot Be Erased Or Rewritten And Is Now Obsolete
 - B. chips that run at clock speeds of 800 MHz and have a connector with 240 pins
 - C. chips specifically designed for video graphics that are used in conjunction with a dedicated GPU
 - D. chips that require constant power to function and are often used for cache memory
4. Which two devices are considered input devices? (Choose two.) (2mks)
 - A. biometric authentication device
 - B. printer
 - C. digital camera
 - D. projector
 - E. speakers
5. Which three devices are considered output devices? (Choose three.)
 - A. headphones
 - B. keyboard
 - C. fingerprint scanner
 - D. monitor
 - E. mouse
 - F. printer
6. A customer comes into a computer parts and service store. The customer is looking for a device to manually input text for a new networking textbook that the customer is writing. What device should the store owner recommend to accomplish the required task?
 - A. Keyboard
 - B. biometric scanner
 - C. NFC device
 - D. flatbed scanner
7. What is the function of the power supply?
 - A. to convert AC power into a lower voltage DC power
 - B. to convert AC power into a higher voltage DC power
 - C. to convert DC power into a lower voltage AC power
 - D. to convert DC power into a higher voltage AC power
8. The two kinds of main memory are _____
 - A. CDs and DVDs

- B. RAM and ROM
 - C. Primary and secondary
 - D. Direct and sequential
9. The main memory of computer is also called as _____
- A. Hard-disk
 - B. Primary storage
 - C. Secondary storage
 - D. Internal memory
10. Which of the following is equal to a gigabyte?
- A. 1024 Bytes
 - B. 512 Gb
 - C. 1024 Megabytes
 - D. 1024 Bits
11. A hardware device that is capable of executing a sequence of instruction is called _____
- A. CU
 - B. Processor
 - C. CPU
 - D. ALU
12. Using Microsoft word, we can simply ____
- A. Paste picture
 - B. Type
 - C. Format a text
 - D. All the above functions
13. From which type of data storage does the CPU load information for processing during normal operation?
- A. SSD
 - B. RAM
 - C. ROM
 - D. hard drive
14. A computer is accurate, but if the result of a computation is false, what is the main reason for it? **(1mk)**
- A. Power failure
 - B. The computer circuits
 - C. Incorrect data entry
 - D. Distraction
15. Ms word is an example of _____
- A. An operating system
 - B. A processing device
 - C. Application software
 - D. An input device
16. A computer cannot “boot” if it does not have the _____
- A. Compiler
 - B. Loader
 - C. Operating system
 - D. Assembler

17. Viruses ____

- A. Another form of computer attack is virus
- B. Viruses are designed to spread into other programs and can wreak havoc in system
- C. Causing system crashes and program malfunctioning
- D. All of these

SECTION B: ANSWER ALL QUESTIONS IN THIS SECTION [40 MARKS]

1. State three **input** devices in relation to computers. [6mks]
2. Distinguish term “bit” and a “byte”. [4 mks]
3. State two examples of **storage devices** available in computing environment. [4 mks]
4. Define term “application software” [2 mks]
5. State two operating system software [4 mks]
6. Briefly explain the two type of software found in a computer system. [6 mks]
7. State three benefits of the internet. [6 mks]
8. Using relevant examples, differentiate between wired and wireless communications media. [4 mks]
9. Explain the following terms as applied in computer systems: [4 mks]
 - i. Computer
 - ii. Data

SECTION C: ANSWER ANY TWO QUESTIONS FROM THIS SECTION [40 MKS]

1. You have been appointed as an ICT assistant in your organization and tasked to buy a computer for the Section, what are the features and components would you consider when procuring the computer for use?
 - i. State five features of a computer would you consider when procuring the computer. [10 mks]
 - ii. Discuss components of a computer would you consider when procuring the computer. [10 mks]
2. The primary purpose of an operating system is to maximize the productivity of a computer system by operating it in the most efficient manner.
 - i. Discuss the five basic functions of an Operating System. [10 mks]
 - ii. Explain five factors that affect the speed of the computer. [10 mks]
3. An upcoming organization uses a lot of files in keeping records; the organization wants to break down the paperwork and automate the basic routine jobs by interconnecting computers in the organization.
 - i. What will be the advantages of using the computer to network the organization? [10 mks]
 - ii. What will be the disadvantage of using the computer in the organization? [10 mks]
4. a) Explain the impact of computer systems and technology in [10 mks]
 - i. Health care
 - ii. Education, science and research

b) Purity a student at Maasai Mara University was asked by her Lecturer to “identify and classify five type of computers”, Explain how she will solve the problem? [10 mks]

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