

**UNIVERSITY EXAMINATIONS****FIRST YEAR EXAMINATION FOR THE AWARD OF  
CERTIFICATE IN COMPUTER SCIENCE****COSC 00102: INTRODUCTION TO COMPUTER APPLICATIONS****STREAMS: CERT (COMP SCI)****TIME: 2 HOURS****DAY/DATE:****INSTRUCTIONS:**

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- Answer question **ONE** and **TWO** other questions
- Do not write anything on the question paper
- This is a **closed book exam**, No reference materials are allowed in the examination room
- There will be **NO** use of mobile phones or any other unauthorized materials
- Write your answers legibly and use your time wisely.
- Marks are awarded for clear and concise answers.

**SECTION A (Answer ALL questions in this section)****QUESTION ONE (30 Marks)**

- a. Define the following devices as used in computing
  - i. Computer hardware (2marks)
  - ii. Computer system (2marks)
  - iii. Database (2marks)
- b. Differentiate between data and information (4marks)
- c. Name two antivirus software programs (2marks)
- d. List the three main components of the central processing unit (3marks)
- e. State three advantages associated with the use of computers (3marks)
- f. Name any two operating systems in the market today (2marks)
- g. What is the procedure of performing the following actions in Microsoft word?
  - I. Displaying toolbars (3marks)
  - II. Inserting date into a text (3marks)

- h. Differentiate between LAN and WAN (4marks)

**SECTION B (Answer any TWO questions)**

**QUESTION TWO (20MARKS)**

- a. Discuss the application of computers in the following sectors (10marks)
- i. Communication
  - ii. Research
  - iii. Marketing
  - iv. Security
  - v. Education
- b. Discuss the services offered by utility programs (10marks)

**QUESTION THREE (20MARKS)**

- a. Discuss the basic features of the word screen in Microsoft word (12 marks)
- b. Discuss classification of computers according to purpose (6marks)
- c. Name any two output devices (2marks)

**QUESTION FOUR (20MARKS)**

- a. Differentiate between application and system software. Give two examples for each (8marks)
- b. With the aid of a diagram discuss the following network topologies (12 marks)
- i. Star
  - ii. Bus
  - iii. Ring

**QUESTION FIVE (20MARKS)**

- a. Distinguish between data and database. (4marks)
- b. Ms. Access is a powerful tool used in business. Explain five key features of Microsoft Access. (10marks)
- c. Differentiate between a field and a record. (2marks)
- d. List four problems you are likely to encounter while printing a document. (4marks)
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