

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN COMPUTER SCIENCE

COSC 0102: INTRODUCTION TO COMPUTER APPLICATIONS

STREAMS: DIP. COMP. SCI. (ODEL)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/08/2024

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS

- **Answer question one and any other two questions.**
- **Do not write anything on the question paper**

SECTION A {Attempt ALL Questions}

Question One (30 marks)

- David intends to align text in a document he created using word processor. Outline four text alignment options he can apply. (4 marks)
- Outline four ways of viewing slides in Ms. PowerPoint. (4 marks)
- Explain the following features as used in a spreadsheet program:
 - Filter (2 marks)
 - Sort (2 marks)
- Give three examples of special purpose computers (3 marks)
- Using relevant example differentiate between wired and wireless communication media. (4 marks)
- List three output devices.
- Differentiate between cold and warm booting (4 marks)
- Outline the short cut keys to perform the following:
 - Italicize typed text (2 marks)
 - Bold your text (2 marks)

SECTION B {Answer any two questions from this section}

QUESTION TWO (20 MARKS)

- a) Explain four functions of operating system. (4 marks)
- b) Computers can be classified into many different categories. Discuss the classification of computers according to size. (8 marks)
- c) Describe four main uses of the Internet. (8 marks)

QUESTION THREE (20 MARKS)

- a) Describe five ways in which computer viruses can be spread. (10 marks)
- b) What is a password? Explore four ways of securing passwords. (10 marks)

QUESTION FOUR (20 MARKS)

- a) While giving an example in each case, list three types of data that is acceptable in a spreadsheet cell. (6 marks)
- b) Today's world is almost dependent on computers, discuss four computer applications in our modern society. (8 marks)
- c) Describe three differences between RAM and ROM. (6 marks)

QUESTION FIVE (20 MARKS)

- a) Janet intends to create a document using a word processing program. Describe four types of computer keyboard keys she is likely to use during this process. (8 marks)
- b) Explain four ways used to care and maintain computers. (8 marks)
- c) Discuss the key changes in the third computer generation as compared to the first two. (4 marks)

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