

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF CERTIFICATE IN  
COMPUTER SCIENCE

COSC 00102: INTRODUCTION TO COMPUTER APPLICATIONS

STREAMS: CERT. COMP, ANHE, CDEV, ECDE, PPMA

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 24/03/2021

8.30 A.M. – 10.30 A.M

**INSTRUCTIONS:**

- 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.

**SECTION A (Answer ALL questions)**

**QUESTION ONE (30 Marks)**

- a) Define the following computer system terms:
- Computer system (2 marks)
  - Operating system (2 marks)
- b) While giving examples where necessary, distinguish between each of the following:
- System software and application software (4 marks)
  - RAM and ROM (4 marks)
- c) Faith, a computer technician at Faida Technical Training Institute, would like to prepare a report detailing quantities of equipment in the laboratory using charts. Outline two application programs that she would use to achieve her objective. (2 marks)
- d) Differentiate between cold and warm booting (4 marks)
- e) Name any three data formats that can be entered in an excel worksheet (3 marks)

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- f) Give three examples of dedicated computers (3 marks)
- g) State three advantages of using internet. (3 marks)
- h) List the steps followed in saving a new document in Microsoft word (3 marks)

**SECTION B (ANSWER ANY TWO QUESTIONS)**

**QUESTION TWO (20 MARKS)**

- a. Draw a diagram to illustrate components of a computer system and explain functions of these components. (8 marks)
- b. State and explain THREE types of computer network. (6 marks)
- c. State and explain THREE characteristics of a computer. (6 marks)

**QUESTION THREE (20MARKS)**

- a. State and briefly explain the five categories of keys found on a standard keyboard (10 marks)
- b. List and explain five ways in which computer viruses can be spread (10 marks)

**QUESTION FOUR (20MARKS)**

- a. Explain any 6 features of the word screen in Microsoft word (12 marks)
- b. Computers can be classified into many different categories. discuss the classification of computers according to size (8 marks)

**QUESTION FIVE (20MARKS)**

- a. Differentiate between absolute cell referencing and relative cell referencing (4 marks)
- b. Discuss any four mathematical functions used in MS excel (8 marks)
- c. Discus four views available in MS PowerPoint (8 marks)

