

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

MAIN/EMBU CAMPUS

EXAMINATION FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE, CERTIFICATE ANIMAL HEALTH, CERTIFICATE IN COMMUNITY DEVELOPMENT, CERTIFICATE IN CRIMINAL SECURITY STUDIES, CERTIFICATE IN HOSPITALITY MANAGEMENT

COSC 00102: INTRODUCTION TO COMPUTER APPLICATIONS

STREAMS: AS ABOVE

TIME: 2 HOURS

DAY/DATE: TUESDAY 21/09/2021

11.30 A.M. – 1.30 P.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.

**QUESTION ONE (30 Marks)**

- Define the following terms as used in computing
  - input (2 marks)
  - software (2 marks)
- Define the term workbook as used in spreadsheet programs. (2 marks)
- Juma, a computer student, intends to send an email to his friend. Outline two email applications that he would use to achieve his objective. (2 marks)
- list any three examples of presentation graphic packages (3 marks)
- Differentiate between the move and copy command in MS-word (2marks)

- f. Using relevant examples differentiate between wired and wireless communication (4 marks)
- g. Name the three units that make up the CPU (3 marks)
- h. Name any two examples of antivirus software (2 marks)
- i. Name any three features of the word screen (3 marks)
- j. List three services offered by utility programs (3 marks)
- k. The Internet has many services which it can offer including telnet. Describe the purpose of this service to users. (2 marks)

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

**QUESTION TWO (20 MARKS)**

- a. Explain any five limitations of traditional file processing systems that have necessitated a database approach (10 marks)
- b. 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. What will be the business benefits of networking this organization? (10 marks)

**QUESTION THREE (20 MARKS)**

- a. Use the following spread sheet table to answer the questions that follows.

|   | A                  | B     | C     | D     | E       |
|---|--------------------|-------|-------|-------|---------|
| 1 | MARK LIST FOR CATS |       |       |       |         |
| 2 | NAME               | CAT 1 | CAT 2 | TOTAL | AVERAGE |
| 3 | ESTHER             |       |       |       |         |
| 4 | JOSEPH             |       |       |       |         |
| 5 | TOM                |       |       |       |         |
| 6 | ANN                |       |       | ####  |         |

- i. Explain the formatting in A1:E1 (2 marks)
- ii. Write down the function that would give the average for Esther. (3 marks)

- iii. After computing the total for ANN, the cell D6 appeared as shown in the table.  
Explain the cause of this and how it can be rectified. (3 marks)
  - iv. In cell E5 you computed the average and got the result inform of date format.  
Explain how you would modify this to get the correct average for TOM.  
(2 marks)
- b.** List and explain five ways in which computer viruses can be spread (10 marks)

**QUESTION FOUR (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 FIVE (20 MARKS)**

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