CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF
CERTIFICATE IN COMPUTER SCIENCE, ANIMAL HEALTH AND PRODUCTION, COMMUNITY DEVELOPMENT, EARLY CHILDHOOD DEVELOPMENT EDUCATION, PROJECT MANAGEMENT

COSC 00102: INTRODUCTION TO COMPUTER APPLICATIONS

STREAMS: CERT (COMP SCIE, ANHE, COMDEV, ECDE, PPMA) YIS1, YIS2

TIME: 2 HOURS

DAY/DATE: FRIDAY 04/12/2020   **2.30 PM – 4.30 PM**

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)

a. Explain the following terms as applied in computer systems
   i.   Hardware   (2marks)
   ii.   Software   (2marks)
   iii. Graphical user interface   (2mark)
   iv.   Operating System   (2marks)
   v.   Database   (2marks)

b. State any two differences between information and data   (4marks)

c. Name any two types of computer networks   (2marks)

d. Differentiate between the move and copy command in MS-word (2marks)

e. Name any three data formats that can be entered in an excel worksheet (3marks)

f. State three reasons why a computer is a good tool for information processing

                                                             (3marks)

g. Using relevant examples differentiate between wired and wireless communication

                                                             (4marks)

h. Name any two output devices   (2 marks)

Question Two (20 marks)

a. Software is classified into two categories i.e. system software and application software. Giving two examples for each differentiate between the two. (6marks)

b. Explain five benefits of the internet (10marks)

c. Distinguish between Analog computer and digital computer (4marks)

Question Three (20 marks)

a. Describe the four components of a computer giving an example in each case (8marks)

b. Explain the impact of computers and technology in the following fields (10marks)

    i. Health care
    ii. Education
    iii. Science and research-
    iv. Business
    v. Tourism-

c. Name any two desktop publishing programs (2marks)

Question Four (20 marks)

a. Explain any 5 features of the word screen in Microsoft word (10marks)

b. State and briefly explain four methods used in classification of computers [8marks]

c. Give two examples of spread sheets software that you know (2marks)

Question Five [20 marks]

a. Describe why a word processing application is important to an organization and state any two-word processing software application you would recommend for use. (6marks)

b. Explain three ways used to care and maintain computers [6 marks]

c. What is a computer network? Explain **FOUR** positive and negative impacts of computer network (8marks)