CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS.

EMBU CAMPUS

FIRST YEAR EXAMINATION FOR THE AWARD CERTIFICATE IN CRIMINOLOGY AND SECURITY STUDIES, CERTIFICATE IN TOURISM AND HOSPITALITY

COSC 00102:   INTRODUCTION TO COMPUTER APPLICATIONS

STREAMS: CERT CRSS, CERT TOHM   **TIME: 2 HOURS**

DAY/DATE: WEDNESDAY 17/04/2019   **2.30 P.M - 4.30 P.M.**

INSTRUCTIONS:
- Answer question **ONE** and **TWO** other questions
- 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

SECTION A (ANSWER ALL QUESTIONS IN THIS SECTION)
QUESTION ONE (30 MARKS)
a. With the aid of a well labelled diagram, describe the general architecture of a computer.
                                                                                (6 Marks)

b. List TWO examples of each of the following parts of a computer.   (4 Marks)
     i. *Output Device*
     ii. *Input Device*

c. Distinguish between each of the following terms: (4 marks)
     i. RAM and ROM
     ii. System Software and Application Software
     iii. Internet and World Wide Web

d. Distinguish between each of the following terms: (4 Marks)
     i. Password andIP Address
     ii. Search Engine and Server

e. Distinguish between animation and transition as used in presentations.   (4 Marks)

f. Explain each of the following word processing features.   (6 marks)
     i. Word Wrap
     ii. Formatting
     iii. Proof-reading

SECTION B (ANSWER ANY TWO QUESTIONS)
QUESTION TWO (20 MARKS)

a. State and explain THREE ways that viruses can be spread.   (6 Marks)

b. Discuss each of the following major functions of operating systems.   (8 Marks)

c. Discuss THREE types of Operating systems and provide an example in each.   (4Marks)

QUESTION THREE (20 MARKS)

a. Browsing/surfing refers to the process of accessing Internet resources. Explain three ways of browsing/surfing.   (6 Marks)

b. List any FOUR **main** uses of the Internet.   (4 Marks)

c. List FOUR examples of browsers.   (4 Marks)

d. Explain the difference between LAN, MAN and WAN types of networks   (6 Marks)

QUESTION FOUR (20 MARKS)

a. Explain the difference between the following features of spreadsheets.
     i. Relative Reference and Absolute Reference   (4 Marks)
     ii. Sort and Filter   (4 Marks)

b. Provide any FOUR examples of charts that can be generated in MS-Excel.   (4 Marks)

c. Discuss FOUR examples of Excel functions and illustrate their use with an example.
              (8 Marks)
d. State FOUR examples of secondary storage devices on a computer.   (4 Marks)

QUESTION FIVE (20 MARKS)

a.) Discuss the roles of computers in the society today.   (10 Marks)

b.) Computers can be classified in terms of speed, size and purpose. Explain FIVE classifications of computers according to size.   (10 Marks)

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