

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

CHUKA, EMBU & THARAKA CAMPUSES

FIRST YEAR EXAMINATION FOR THE AWARD OF DIPLOMA IN BUSINESS
MANAGEMENT, DIPLOMA IN PROCUREMENT AND LOGISTICS MANAGEMENT

DIBM 0103: COMPUTER APPLICATIONS IN BUSINESS

STREAMS: DIBM, DPL, Y2S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 9/08/2019

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.
- Marks are awarded for clear and concise answers.

SECTION A (ANSWER ALL QUESTIONS)

QUESTION ONE (30 MARKS)

- a. Define the following terms as applied in computer systems:
- i. Hardware (2 Marks)
 - ii. Operating system (2 Marks)
 - iii. Graphical user interface (2 Marks)
- b. Agnes, a business professional at ABC Sacco has been helping her colleagues who are always complaining that their computers are not working properly. The departmental head summons and asks her to develop guidelines for care of computers and circulate it to her colleagues. Suggest **FOUR** of the rules that Agnes would develop. (4 Marks)
- c. List **ONE** example of each of the following types of software. (2 Marks)
- i. Word processors
 - ii. Spreadsheets

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- d. While giving examples where necessary, distinguish between each of the following:
 - i. System Software and Application Software (4 Marks)
 - ii. Primary Memory and Secondary Memory (4 Marks)
 - iii. Data and Information (2 Marks)
- e. Explain FOUR benefits of using a database in an organization (4 Marks)
- f. Using relevant examples differentiate between wired and wireless communications media.

(4 marks)

SECTION B (ANSWER ANY TWO QUESTIONS)

QUESTION TWO (20 MARKS)

- a.) Computers have had a revolutionary impact on industry and commerce, healthcare, government institutions, telecommunications industry and education and research. Describe the application of computers in each of these FIVE areas. (10 Marks)
- b.) Discuss FOUR functions of the operating system in a computer [8 Marks]
- c.) Giving an example in each, explain the difference between magnetic media and optical media (2 Marks]

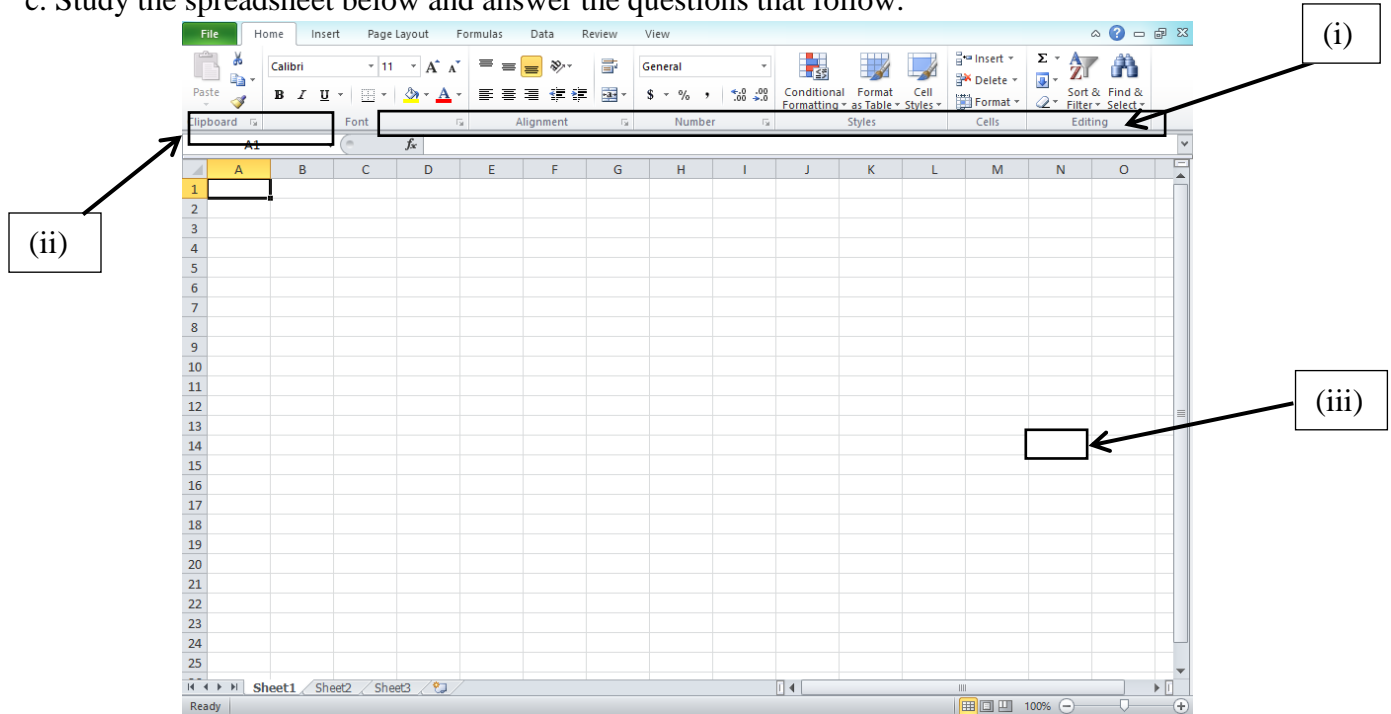
QUESTION THREE (20 MARKS)

- a. Explain the difference between LAN, MAN and WAN types of networks (6 Marks)
- b. Explain SIX advantages of using the internet (6 Marks)
- c. Explain the mechanisms that an organization can put in place to achieve data security (8 Marks)

QUESTION FOUR (20 MARKS)

- a. Explain the difference between the following features of spreadsheets.
 - i. Relative Reference and Absolute Reference (2 Marks)
 - ii. Sort and Filter (2 Marks)
 - iii. Worksheet and Workbook (2 Marks)
- b. State and explain THREE features of productivity software (6 Marks)

c. Study the spreadsheet below and answer the questions that follow.



i. Identify the parts (i), (ii) and (iii) above. (3 Marks)

b. Suppose 58, 25, 13 is entered on cells A1, A2, and A3 respectively. Write down the formula that would appear on cell A4 to perform each of the following arithmetic operations:

1. Addition (2 Marks)
2. Mean (3 Marks)

QUESTION FIVE (20 MARKS)

- a.) Computers can be classified according to size, speed and purpose. Discuss types of computers classified according to size (10 Marks)
- b.) List and explain FOUR main features of a computer (8 Marks)
- c.) List ONE example of each of the following parts of a computer: (2 Marks)
 - i. Input Device
 - ii. Output Device

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