

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF COMMERCE

COSC 105: COMPUTER APPLICATION IN BUSINESS

STREAMS: ODEL Y1S2

TIME: 2 HOURS

DAY/DATE: THURSDAY 8/08/2019

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

- Answer question **ONE (Compulsory)** and **TWO** other questions from section B.
- Sketch maps and diagrams may be used whenever they help to illustrate your answer
- 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: (COMPULSORY) - (30 MARKS): ATTEMPT ALL QUESTIONS ON THIS SECTION

- (a) Differentiate between
- Information Systems and Information Technology [4 marks]
  - Computer software and computer hardware [4 marks]
  - Laser and Ink-jet printer [4 marks]
  - Desktop and Laptop computer [4 marks]
- (b) Giving examples, explain what do you understand by the following terms?
- Input devices [2 marks]
  - Optical scanning devices [2 marks]
  - Operating system [2 marks]
  - Programming language [2 marks]
- (c) Briefly describe the following terms
- Computer network [2 marks]
  - Word processing package [2 marks]
  - Wide area network (WAN) [2 marks]

**SECTION B: ATTEMPT ONLY TWO QUESTIONS FROM THIS SECTION  
QUESTION TWO (20 MARKS)**

- a) Write short notes on
- i. System Software
  - ii. Application programmer
  - iii. Spreadsheet software
- [6 marks]**
- b) List the four advantages of a high level programming language. **[4 marks]**
- c) Explain TWO positive impacts of Information Technology on Communication and media practices. **[4 marks]**
- d) Giving examples, explain THREE security issues posed by Cyber space. **[6 marks]**

**QUESTION THREE (20 MARKS)**

- a) Briefly describe the THREE basic categories of computers. **[6 marks]**
- b) Spreadsheet software uses both formula and functions in calculations. Distinguish between a formula and a function. In your answer, give distinguishing example between the two. **[6 marks]**
- c) Describe any FOUR basic operations performed by a computer system? **[8 marks]**

**QUESTION FOUR (20 MARKS)**

- a) Briefly discuss any FOUR common operating system software available in the market today **[8 marks]**
- b) After collecting data in the field, you are required to prepare a report on your findings which you will present to panel. Explain with relevant examples of software application that you will use, and how you will go about in making the final presentation and tools you may require to do so. **[12 marks]**

**QUESTION FIVE [20 MARKS]**

- a) List FOUR popular Utility programs. **[4 marks]**
- b) Explain the TWO components of Information Technology. **[4 marks]**
- c) Describe the following terms with respect to a Spreadsheet package
- i. Cell
  - ii. Formula

iii. Range

- d) Explain the THREE important developments made by communication or telecommunication technology in recent years. **[6 marks]**
- [6 marks]**
- .....