

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF COMMERCE

COSC 105: COMPUTER APPLICATIONS IN BUSINESS

STREAMS: Y1S2 ODEL

TIME: 2 HOURS

DAY/DATE: THURSDAY 13/04/2023

8.30 A.M. –10.30 A.M.

Candidate's Instructions

- Answer Question One and any other two questions.

Question One [30 marks] – Compulsory

- (a) Explain one security measure you should in online shopping. [3 marks]
- (b) Explain the difference between application software and system software. [3 marks]
- (c) Explain three major functions of operating system software in computer system? [3 marks]
- (d) Write both Microsoft Excel formula and function that is going to perform the following tasks:
- i) Get the average of cells C1, C4, C5 and C6 [3 marks]
 - ii) Get the sum of cells C3, B3, D3, E3, and F3 [3 marks]
- (e) Explain any three major functions performed by the operating system software. [3 marks]
- (f) Explain the difference between wired communication media and wireless communication media. [3 marks]
- (g) Differentiate between the following application software categories
- i) Spreadsheet software and word processing software. [3 marks]
 - ii) Database management software and business management software. [3 marks]
- (h) Explain the following email parts: [3 marks]

- i) BCC
- ii) CC
- iii) Attachment

Question Two [20 marks]

- (a) Give a brief discussion on the application of computers in the following business sectors:
- (i) Transport [3 marks]
 - (ii) Banking [3 marks]
 - (iii) Telecommunications [3 marks]
- (b) Describe the two major classifications of printers. Give three examples of each classification. [6 marks]
- (c) Explain the importance of passwords in computing and possible ways of keeping your passwords safe. [5 marks]

Question Three [20 marks]

- (a) Describe the two major types of memory devices in a computer system. Give four distinguishing characteristics between the two types. [9 marks]
- (b) Explain the following types of computer networks. [6 marks]
- i) LAN
 - ii) WAN
 - iii) Internet
- (c) When Microsoft Excel spreadsheet application, explain any five possible errors you may encounter in calculations. [5 marks]

Question Four [20 marks]

- (a) Discuss four measures of avoiding attacks/crime on the Internet. [8 marks]
- (b) Discuss **three** measures one should take to prevent a computer from being infected by viruses. [6 marks]
- (c) With the use of a well labeled diagram, explain the basic functional hardware components of a computer system. [6 marks]

Question Five [20 marks]

(a) State and explain any five factors that you would consider when acquiring business software.

[10 marks]

(b) Distinguish between the following computer types:

(i) Supercomputer and a netbook computer [3 marks]

(ii) Enterprise server and tablet computer [3 marks]

(c) Computers are prone to security threats from the outside world. Your friend can also pose a security threat to your computer; explain measures you would take to protect your data and programs stored in your computer and to ensure privacy when using your computer.

[4 marks]
