

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
COMMERCE**

COSC 105: COMPUTER APPLICATIONS IN BUSINESS

STREAMS: BCOM (ODEL)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/08/2024

2.30 P.M. –4.30 P.M.

INSTRUCTIONS:

SECTION A: Answer all questions in this section

Question One (Compulsory) [30 marks]

- a) Discuss the most appropriate way to acquire business application software such as supply chain management software. Clearly justify your answer. **[4 Marks]**
- b) Discuss any two benefits of using computers. **[4 Marks]**
- c) What is a “folder” and what is its significance in working with files in a computer. **[2 Marks]**
- d) Showing your workings, perform the following data conversions. **[6 Marks]**
 - i) 110110110011_2 to Hexadecimal.
 - ii) $E9A_{16}$ to Decimal.
 - iii) 256_{10} to Binary.
- e) Differentiate between:
 - i) Custom and generic application software **[2 Marks]**
 - ii) RAM and ROM. **[2 Marks]**
 - iii) Formula and Function. **[2 Marks]**
- f) Discuss any two functions of the operating system. **[4 Marks]**
- g) Define the E-Commerce and explain its three main features **[4 Marks]**

SECTION B (Answer any TWO questions from this section)

Question Two [20 marks]

- a) The internet has had a huge impact on the society and especially the youth both positively and negatively. Discuss any three positive impacts and any two negative impacts of the internet to the society. **[10 Marks]**
- b) A school needs software for the aggregation and analysis of student marks.
 - i) Justifying your answer, state whether you would advise for custom or generic software. **[2 Marks]**
 - ii) Explain four important factors that you would consider in acquiring the software. **[4 Marks]**
- c) Assume you have the values 56, 78, 43 and 92 in cells D4, D5, D6 and D7 respectively. Calculate the average of the said values:
 - i) Using a function. **[2 Marks]**
 - ii) Using a user defined formula. **[2 Marks]**

Question Three [20 marks]

- a) You are asked to present a brief report on the just concluded elections to the management and selected audience.
 - i) Giving an example, what application software would you use for the task? **[2 Marks]**
 - ii) Outline any three advantages of such software. **[4 Marks]**
- b) With the aid of a diagram, discuss the general architecture of a computer. **[6 Marks]**
- c) Explain the difference between a management information system and a decision-support system as they relate to middle managers. **[8 Marks]**

Question Four [20 marks]

- a) Businesses today are enabled by or based upon digital networks. What is meant by e-business and e-commerce? **[6 Marks]**
- b) How does the rise of computer use in business threaten employment? **[6 Marks]**
- c) With aid of a diagram explain the information processing cycle. **[8 Marks]**

Question Five [20 marks]

- a) Why are information systems so essential in business today? **[6 Marks]**
 - b) Identify and describe contemporary approaches to the study of information systems and distinguish between computer literacy and information systems literacy. **[8 Marks]**
 - c) Briefly describe how information systems influence organizations, people, and technology. **[6 Marks]**
-