

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF COMMERCE
COSC 105: COMPUTER APPLICATIONS IN BUSINESS**

STREAMS:

TIME: 2 HOURS

DAY/DATE: FRIDAY 8/12/2017

8.30 A. M – 10.30 A.M

INSTRUCTIONS:

- **Answer all questions in section A and any other two questions from section B.**
- **No Reference Material is allowed in the exam Room.**
- **All Mobile phones should be switched off in the exam room.**

SECTION A (COMPULSORY) [30 MARKS]

QUESTION ONE (COMPULSORY) [30 MARKS]

- (a) Explain FIVE benefits of ERP in businesses [5 marks]
- (b) Explain THREE major functions of a computer system [3 marks]
- (c) Outline FIVE reasons why the operating system software is the core system software in a computer. [5 marks]
- (d) Outline THREE types of printers used in business, giving a characteristic of each [6 marks]
- (e) Outline the steps of printing a 6-slides-per-page from a Microsoft Power Point presentation [4marks]
- (f) Windows operating system creates an interactive environment called Desktop, based on icons and list of commands. State TWO icons found on a computer desktop and explain the function for each [4 marks]
- (g) Outline THREE differences between analogue and digital computer [3marks]

SECTION B –ANSWER ANY TWO QUESTION FROM THIS SECTION

QUESTION TWO [20 MARKS]

- (a) Describe FIVE types of computer networks [10 marks]
- (b) Explain the TWO types of memory devices that are housed in the system unit, citing a difference between them. [4 marks]
- (c) Describe THREE ways through which an organisation can connect to the Internet services [6 marks]

QUESTION THREE [20 MARKS]

- (a) “Fifth generation computers are more effective and better than the earlier generations of computers”. Discuss. [5 marks]
- (b) Differentiate between application package and a programming language, naming an example in each case [5marks]
- (c) Name FIVE features of ERPs in businesses. [5 marks]
- (d) When you are designing a student database, name SIX fields that you are likely to include in your design. Explain which field out of the named ones is likely to be a primary key. [5 marks]

QUESTION FOUR [20 MARKS]

- (a) Given an Excel sheet with data in the cells B1, B2, B3, B4 and B5.
 - (i) In cell B6, write a function to find the total of the five cells. [2 marks]
 - (ii) In another cell B7, write a formula to find the average of the five cells. [2 marks]
 - (iii) Suppose there is an error in the result B6 and we cannot find the total. Explain THREE possible expected errors. [6 marks]
- (b) With reference to computer network communication medium: -
 - i) Name TWO major types of network communications medium. [2 marks]
 - ii) Explain TWO examples in each of the communication mediums [8 marks]

QUESTION FIVE [20 MARKS]

- (a) Explain FOUR factors you would consider when acquiring a software for an organization. [8 marks]
 - (b) With the aid of a well labelled diagram, explain the functional hardware units of a computer system. [5 marks]
 - (c) Outline FIVE uses of the Internet in businesses [5 marks]
 - (d) Explain the benefit of Microsoft PowerPoint in businesses [2marks]
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