

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

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

BCOM 316: ACCOUNTING INFORMATION SYSTEM

STREAMS: BCOM (Y3S2) ODEL

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/08/2024

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS

- **Answer Question One and any other Two Questions.**

Question one

- a) For the last twenty years, different kinds of information systems are developed for different purposes, depending on the need of the business. In today's business world, there are varieties of information systems such as transaction processing systems (TPS), office automation systems (OAS), management information systems (MIS), decision support system (DSS), and executive information systems (EIS), Expert System (ES). Each plays a different role in organizational hierarchy and management operations. Required: For each of the stated system, describe their characteristics and application in business. (20 marks)
- b) A model information system shows there are Five (5) basic component resources. With examples discuss the five resources (10 marks)

Question two

- a) Differentiate between structured and unstructured decisions. Give examples of such decisions. (4 Marks)
- b) Explain what Office Automation System and Knowledge Work System mean. (4 Marks)

- c) Information security management is about viewing and managing risks in terms of the causes, effects and therefore costs of loss of security.

Required: Identify six threats to Internet security and briefly describe solutions to these threats. (6 Marks)

- d) Differentiate between batch and online processing. (6 marks)

Question three

- a) For years, millions of people who attended the 10-day Taste of Chicago Festival carried around a 28-page brochure to find the various foods and music offerings. In 2009, the city posted this information online—a cloud technology from Microsoft that now delivers the same information right to the festival-goers' smartphones.

Explain the benefits of a computerized information system over a manual system (10 marks)

- b) The heart of an organization's operational-level accounting information system is the financial accounting system. A computerized financial accounting system is composed of a series of software modules or subsystems used separately or in an integrated fashion.

Required

- i) Explain FIVE major system modules or subsystems included in a financial accounting system (10 marks)

Question four

An understanding of data storage and management begins with knowing the range of data types, the characteristics within the types of files containing data, storage media and the differences between logical and physical storage.

Required

- i) Explain four types of files that are used in AIS (4 marks)
ii) Benefits of Centralized database approach (DBMS) for storing data (10 marks)
iii) Explain short-workings on a database approach of storing information (6 marks)

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