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(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR

THIRD YEAR SPECIAL/SUPPLIMENTARY EXAMINATIONS

FOR THE DEGREE
OF
BACHELOR OF COMMERCE/BSc. ACCOUNTING

COURSE CODE: BCA 348

COURSE TITLE: ACCOUNTING INFORMATION SYSTEMS

DATE: MONDAY, 25ᵀᴴ JULY 2022   **TIME: 8-10 AM**

INSTRUCTIONS TO CANDIDATES

Answer QUESTION ONE and any other TWO questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 3 Printed Pages. Please Turn Over.

QUESTION ONE

a) Explain the meaning of the following:

    (i) Data encryption   -   (2 Marks).

    (ii) Mnemonic coding   -   (2 Marks).

    (iii)Accounting information system   -   (2 Marks).

    (iv)Electronic Data Interchange (EDI).   -   (2 Marks).

b) Explain the role of Accounting Information System in the value chain.   (12 Marks).

c) Examine the diagram below on data processing management of an organization and answer the questions below.
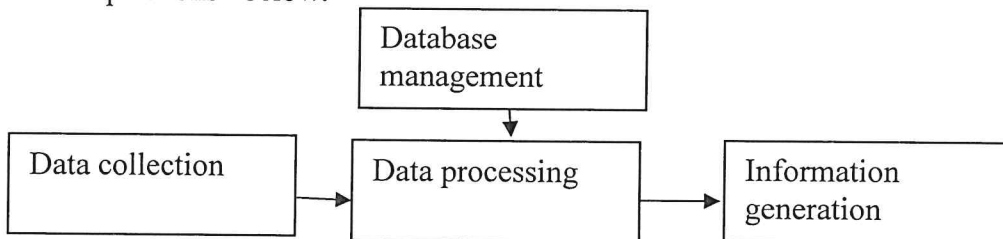
i.   Determine what essential mechanism is missing. (3 marks)

ii.   Once you have identified the missing element ,discuss its importance (7 marks)

QUESTION TWO

In house development of AIS is not only expensive but also requires involvement of a large team of in-house experts. Effectively the requirement puts such an approach beyond the capacity of small, medium and even some large enterprises.

(a) Briefly explain the type of enterprises that may use this approach in acquiring an AIS (10 marks)
(b) Discuss the role played by accountants and ICT experts in the process of developing AIS In-house.   (10 marks)

QUESTION THREE

Consider the case below and answer the question

SUPA owns and operates three floral shops in kakamega. The accounting functions are performed manually. Each of the shops has a manager who oversees the cash receipts and purchasing functions for the shop. A clerk at the central shop pays all the bills and also prepares payroll checks and maintains the general journal. Iris is seriously considering switching to a computerized system. With so many information system packages on the market, SUPA is overwhelmed.

Required

Advise SUPA as to internal control issues and business modules you think her organization could find beneficial (20 Marks)

QUESTION FOUR

Operating system software has the task of ensuring security and integrity of accounting information system stored data. For this to be successful, data must be backed up to ensure recovery in the event of accidental damage. The operating system too must be secured from malicious software and intentional unauthorized access.

Required

(a) Briefly explain how access control is managed in a computerized environment.   (5 marks)

(b) Briefly explain how the operating system ensures systematic backup of data to ensure recovery

(5 marks)

(c) Briefly explain counter measures that an organization may undertake to ensure protection from destructive and malicious software.   (10 marks)