CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN INFORMATION SCIENCE

BSIS 454: MANAGEMENT INFORMATION SYSTEM

STREAM: **BSC(IS)**   **TIME: 2 HOURS**

DAY/DATE: **THURSDAY 25/03/2021**   **11.30 A.M. – 1.30 P.M.**

INSTRUCTIONS

- *Do not write anything on this question paper*
- *Attempt question ONE and any other TWO questions*

Question one (30 marks)

  (i) In the context of computing, differentiate the following:

      (a) "internet of everything", and "internet of things"   (3 marks)

      (b) "Deterministic system" and "internet of things"   (3 marks)

      (c) "Closed system" and "open systems"   (3 marks**)**

  (ii) Identify and explain **SIX** factors that might enhance successful system development

(12 marks)

  (iii)   Evaluate **THREE** benefits that might accrue to an organization from good practice of information technology governance

(9 marks)

Question two (20 marks)

(i) Describe the **FOUR** types of feasibility studies that could be conducted during system development life cycle (16 marks)

(ii) Distinguish between strategic data and operational data in reference to the information system (4 marks)

Question three (20 marks)

(i) Citing relevant examples, examine **FIVE** contributions of information system in the decision making or problem solving (10 marks)

(ii) As an employer of well established IT Company in Kenya, you have been tasked by your manager to develop a document which will be used to evaluate an effective and successful information system. Briefly elaborate on the key points your document would contain. (10 marks)

Question four (20 marks)

(i) Highlight and explain FIVE basic elements of a control system (10 marks)

(ii) Describe with the aid of a diagram the components of a closed system (10 marks)

Question five (20 marks)

(i) Discuss **FOUR** types of prototyping in system development (16 marks)

(ii) State **FOUR** advantages of outsourcing in an organization (4 marks)

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