

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

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

**BSIS 251: COMPUTERS FOR INFORMATION RESOURCE MANAGEMENT**

**STREAMS:**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 19/04/2023**

**2.30 P.M. – 4.30 P.M.**

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**INSTRUCTIONS**

1. This examination paper has **FIVE (5)** questions
2. Candidates are required to attempt **QUESTION 1** and **ANY OTHER TWO** questions.
3. No reference material **OF ANY KIND** should be carried into the Examination room.
4. **DO NOT** write on the question paper.

**Question One (30 marks)**

- a) Describe the following specialized information systems
  - i. Artificial intelligence (5 marks)
  - ii. Expert systems (5 marks)
- b) Demonstrate **TWO** structural changes as a result of embracing technology in libraries (10 marks)
- c) Describe the role of information systems at Chuka university library (10 marks)

**Question Two (20 marks)**

- a) Explain **FIVE** environmental factors affecting successful implementation of an information system in a library (10 marks)
- b) Explain the role of Information Technology (IT) in strategic management in a library (10 marks)

**Question Three (20 marks)**

- a) Describe **TWO** types of information systems used in libraries (10 marks)
- b) Discuss **FIVE** factors that contribute to the success of management information system in an information centre (10 marks)

**Question Four (20 marks)**

- a) Implementation of information systems in a library requires effective strategic planning more than other functional aspects. Discuss (10 marks)
- b) Discuss **FIVE** benefits of information resource management in an information centre (10 marks)

**Question Five (20 marks)**

- a) Describe the role of management information system in a community library (10 marks)
  - b) Discuss **FIVE** key factors to consider when conducting “business system planning” in a library (10 marks)
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