

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

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

**BSIS 458: SELECTION OF HARDWARE AND SOFTWARE**

**STREAMS: BSIS**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 21/09/2021**

**8.30 A.M. – 10.30 A.M.**

**INSTRUCTIONS:**

- This examination paper has FIVE (5) questions
- Candidates are required to attempt QUESTION ONE and ANY OTHER TWO questions.
- Do not write on the question paper

**Question one (30 marks)**

- a) Your library is in the process of acquiring a new software. As the system librarian, where would you source your software and why? (10 marks)
- b) Software should not go through test before implementation in a library. Demonstrate. (10 marks)
- c) Upgrading of computers in a library is an ongoing process. Explain. (10 marks)

**QUESTION TWO (20 marks)**

- a) “Effectiveness of library hardware and software is dependent on their source.” Describe criteria used to evaluate a suitable vendor. (10 marks)
- b) Using clear examples, describe FIVE features of spreadsheet applications. (10 marks)

**Question Three (20 marks)**

- a) Describe FIVE factor that determine choice of hardware in an information centre. (10 marks)
- b) A library system needs to be well designed to improve its usability. Demonstrate. (10 marks)

**Question Four (20 marks)**

- a) Before buying a particular package for a library, the current user should be interviewed to determine successful use of the package. Explain. (10 marks)
- b) Describe key features of a statistic internet protocol (IP) address. (10 marks)

**Question five (20 marks)**

- a) Distinguish between command base and graphical user interface. (10 marks)
  - b) Your information system. Prepare a request for proposal (RFP) for your information centre. (10 marks)
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