

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:

TIME:2 HOURS

DAY/DATE: THURSDAY 13/04/2023

2.30 P.M. –4.30 P.M.

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) Your library is planning to acquire a new software. As the system librarian, explain where you would source your software and why? (10 marks)
- b) Explain **TWO** types of softwares compatibility in a public library (10 marks)
- c) Describe **FIVE** reasons of upgrading computers in an academic library (10 marks)

Question two (20 marks)

- a) Explain **FIVE** technological skills required for information professionals in the 21st century (10 marks)
- b) Describe the following utility programs
 - i. Image viewer (5 marks)
 - ii. Disk defragmenter (5 marks)

Question three (20 marks)

- a) Describe THREE types of compatibility tests that must be carried out in a library system (10 marks)
- b) Distinguish between command base and graphical user interface (10 marks)

Question four (20 marks)

- a) A library software should go through testing before its implementation. Discuss (10 marks)
- b) Describe the following internet protocols
- i. Trivial file transfer protocol (TFTP) (5 marks)
 - ii. Telnet (5 marks)
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