

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESIT/SPECIAL EXAMINATION

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

**BSIS 455: INFORMATION SYSTEMS ANALYSIS, DESIGN AND
EVALUATION**

STREAMS: BSIS

TIME: 2 HOURS

DAY/DATE: MONDAY 28/08/2023

8.30 A.M – 10.30 A.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 materials **OF ANY KIND** should be carried into the Examination room.
4. **DO NOT** write on the question paper.

Question One (30 marks)

1. (a) Describe **FIVE** types of feasibility studies carried out during development of a system in a public library (10 marks)
- (b) Explain **FIVE** elements of a library system (10 marks)
- (c) Describe **FIVE** elements of a Request For Proposal (RFP) (10 marks)

Question Two (20 marks)

2. (a) Describe **FIVE** attributes of an ideal library system (10 marks)
- (b) Explain **FIVE** benefits of system maintenance in an information centre (10 marks)

Question Three (20 marks)

- 3 (a) Describe **FIVE** reasons of outsourcing a library software. (10 marks)
- (b) Explain **FIVE** factors to consider when designing a system interface in a library. (10 marks)

Question Four (20 marks)

- 4.(a) Explain **FIVE** merits of prototyping ((10 marks)
- (b) Describe the role of system review in an information centre (10 marks)

Question Five (20 marks)

5. (a) Describe **FIVE** phases of a System Development Life Cycle (10 marks)
(b) Explain **FIVE** benefits of Joint Application Design (JAD). (10 marks)
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