

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

BSIS 455: LIBRARY SYSTEMS ANALYSIS, DESIGN & EVALUATION

STREAMS:

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) Using clear examples describe qualities of a well-designed library database. (10 marks)
- b) Your library ABC needs to implement a new system. As the lead personnel in this data project, prepare a request for proposal (RFP) for your library. (20 marks)

**Question two (20 marks)**

- a) Describe step by step process of purchasing a new software in a library. (10 marks)
- b) Modern librarians should advocate adoption of disruptive technology when implementing new systems in libraries. Explain (10 marks)

**Question three (20 marks)**

- a) Outsourcing is the new trend in many information centres today. Demonstrate (10 marks)
- b) User training is a critical aspect for a successful adoption of a system in an information centre. Justify (10 marks)

**Question four (20 marks)**

- a) Using clear examples, describe the following types of information systems. (10 marks)
- i. Transaction processing system
  - ii. Decision support systems
- b) “Many modern information centres have realized that creative use of information technology can significantly improve most processes”. Justify. (10 marks)

**Question five (20 marks)**

- a) Your information centre recently got into an agreement with company XYZ for maintenance on your hardware for three year. Prepare an annual maintenance contract (AMC) between your information centre and company XYZ. (10 marks)
- b) Distinguish between technical and operational feasibility study. (10 marks)
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