CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

EMBU CAMPUS

FOURTH YEAR EXAMINATION FOR THE AWARD OF BACHELOR DEGREE OF SCIENCE IN LIBRARY INFORMATION SCIENCE.

LINS 450:   INFORMATION SYSTEMS ANALYSIS

STREAMS: Y4S1   **TIME: 2 HOURS**

DAY/DATE: FRIDAY 8/12/2017   **11.30 A.M - 1.30 P.M.**

INSTRUCTIONS:
- **This examination has FIVE (%) Questions.**
- **Candidates are required to attempt QUESTIN 1 and ANY OTHER TWO Questions.**
- **No reference material OF ANY KIND should be carried in to the examination room**
- **DO NOT write on the question paper**
- **Start every question on a FRESH PAGE.**

QUESTION ONE
The process of system analysis involves understanding the existing situation, identifying improvements and defining requirements for the new system.
(a) Briefly discuss five commonly used techniques to gather detailed information requirement.   [10 Marks]

(b) Evaluate the importance of carrying an information system analysis.   [10 Marks]

(c) Discuss the challenges experienced in information systems analysis.   [10 Marks]

QUESTION TWO
(a) Describe the phases of systems development cycle highlighting the steps involved in each phase.   [10 Marks]

(b) Your organization wants to hire a systems analyst and you have been consulted to advice on the skills required. What advise would you offer?   [10 Marks]

QUESTION THREE
(a) Evaluate the benefits of object-oriented systems analysis and design. [10 Marks]
(b) Describe the basic characteristics of object-oriented systems. [10 Marks]

QUESTION FOUR
(a) Briefly discuss the guidelines for drawing and creating Data Flow Diagrams (DFDs).
[10 Marks]

(b) Evaluate the importance of Data Flow Diagrams in Information System analysis. [10 Marks]

QUESTION FIVE
(a) Discuss the primary hardware components of a system and highlight three basic functions of software systems. [10 Marks]

(b) Explain the steps involved in creating hardware and software requirement specification document. [10 Marks]
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