CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

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

BSIS 250:   BASIC ELEMENTS AND USE OF COMPUTERS IN LIBRARIES AND INFORMATION CENTRES.

STREAMS: **TIME: 2 HOURS**

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

INSTRUCTIONS:
- **Answer Question ONE and any other TWO**

QUESTION ONE
(a) What is a computer?   [2 Marks]

(b) Name and briefly explain the two types of booting.   [2 Marks]

(c) State and briefly explain the two types of software.   [4 Marks]

(d) Define the following terms as used in computers: [5 Marks]
    (i) Data
    (ii) Instruction
    (iii)Computer system
    (iv)Peripheral device
    (v) Hardware

(e) There are several methods of classifying computers: Name five networks. [5 Marks]

(f) Define the following types of storage: primary storage, secondary storage giving an example of a storage device for each of the types of storage.   [4 Marks]

(g) Describe a computer network?   [3 Marks]

(h) State five symptoms of viruses.   [5 Marks]

QUESTION TWO
(a) Explain the alternative approaches to modern library automation. Illustrate your answer.
[10 Marks]

(b) Discuss TWO examples of goals and objectives of library automaton.   [10 Marks]

QUESTION THREE
(a) Describe and explain the steps you should consider before you commence writing your proposal for automation of a library or any information centre.   [10 Marks]

(b) Briefly describe TWO main characteristics of the software that you would recommend to a library of an information center to consider when selecting the software for automation
[10 Marks]

QUESTION FOUR
(a) Briefly explain FIVE methods of training users after the implementation of an integrated library management system.   [10 Marks]

(b) Discuss five services and operations that can be automated in a library/information center.
[10 Marks]

QUESTION FIVE
(a) Describe four areas of housekeeping operations in library automatons.   [10 Marks]
(b) Evaluate five criteria used to evaluate software for automation.   [10 Marks]
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