CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

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: TUESDAY 23/03/2021   **2.30 P.M – 4.30 P.M**

INSTRUCTIONS:

Answer question one and any other two questions

Do not write on the question paper

1. (a) Computers are key components in an information centre in the advent of information age. Justify.   [10 marks]
    (b) Describe five data models in database management system.   [20 marks]

2. (a) Explain FIVE elements of a library information system.   [10 marks]

    (b) Explain FIVE measures to put in place to eradicate computer virus in a library.
                                                                        [10 marks]

3. (a) Explain the role of computers in an information centre.   [10 marks]

    (b) Explain FIVE challenges affecting use of computers in an academic library.
                                                                        [10 marks]

4. (a) Describe FIVE phases of a system development life cycle.   [10 marks]

    (b) Explain FIVE characteristics of a good computer system.   [10 marks]

5. (a) Cyber insecurity is a great risk to a library collection. Explain.   [10 marks

    (b) Explain the meaning of the following

(i) Firmware

(ii) Bridge ware

(iii) URL

(iv) ROM

(v) WWW