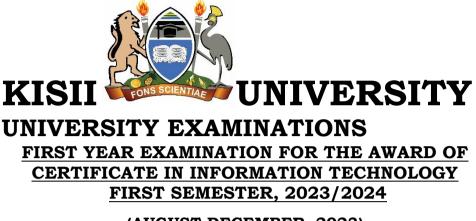
<u>CIT 0105</u>



(AUGUST-DECEMBER, 2023) CIT 0105: FUNDAMENTALS OF ICT

TIME: 2 HOURS

DATE: 01/12/23

STREAM: Y1 S1 DAY: FRIDAY, 12.00 - 3.00 PM INSTRUCTIONS

- 1. Do not write anything on this question paper.
- 2. Answer Question ONE [Compulsory] and any other TWO Questions

### **QUESTION 1**

- a) Define the following terms
  - i. Computer
  - ii. Information systems
  - iii. Data
  - iv. Information
  - v. Prototype

b) Compare and contrast management information systems with decision support systems. 4 marks

c) Describe the characteristics of useful information 4 marks

d) Explain the difference between RAM and ROM.

### e) Write brief notes on the following:

- i. A Data Warehouse
- ii. An Expert System
- iii. A Spreadsheet

#### **QUESTION 2**

- a) Describe ways in which a company can acquire information systems 10 marks
- b) With a diagram discuss the Software Development Life Cycle (SDLC) 10 Marks Page 1 of 2

10 marks

4 marks

8 marks

## **QUESTION 3**

- a) Define the Moores LAW
- b) Describe how information flows within a typical organization, identifying the types of information and the systems most appropriate to provide that information. Give an example of each level of information 10marks.

3marks

c) What are the benefits of implementing a proper management information system 7marks

# **QUESTION 4**

- a) Information system play a key role in the growth and success of an organization state some of the roles of information system. 10 marks.
- b) Describe five technology and business trends that have enhanced the role of information systems in today's competitive business environment. 10 marks

# **QUESTION 5**

- a) Describe the various ways a company should or ought to do to secure their Information systems 8 marks
- b) What are the various components of an information system 12 marks