GARISSA UNIVERSITY

UNIVERSITY EXAMINATION 2017/2018 ACADEMIC YEAR <u>ONE</u> <u>THIRD</u> SEMESTER EXAMINATION

SCHOOL OF BIOLOGICAL AND PHYSICAL SCIEENCE

FOR THE CERTIFICATE OF INFORMATION TECHNOLOGY

COURSE CODE: CIT 102

COURSE TITLE: INTRODUCTION TO COMPUTER APPLICATIONS

EXAMINATION DURATION: 2 HOURS

DATE: 07/08/18   TIME: 9.00-11.00 AM

INSTRUCTION TO CANDIDATES

- **The examination has SIX (6) questions**

- **Question ONE (1) is COMPULSORY**

- **Choose any other THREE (3) questions from the remaining FIVE (5) questions**

- **Use sketch diagrams to illustrate your answer whenever necessary**

- **Do not carry mobile phones or any other written materials in examination room**

- **Do not write on this paper**

QUESTION ONE (COMPULSORY)

a) What is computer software? **[2 Marks]**

b) Describe the following types of computer software with examples **[4 Marks]**

  i. System software

  ii. Application software

c) Explain **FOUR** features of a good software **[4 Marks]**

d) Distinguish between *Backspace* and *Delete* keys on the QUERTY Keyboard **[2 Marks]**

e) Using a well labeled diagram, briefly describe *data flow* in a computer **[8 Marks]**

f) What is *data* **[2 Marks]**

g) Give **THREE** examples of secondary storage devices **[3 Marks]**

QUESTION TWO

a) State **FIVE** characteristics of main memory **[5 Marks]**

b) Explain **TWO** types of monitors **[4 Marks]**

c) State the roles of the following keyboard conventions

  i. CTRL+ALT+DEL **[1 Mark]**

  ii. WINDOWS BUTTON+M **[1 Mark]**

  iii. CTRL+C **[1 Mark]**

  iv. CTRL+V **[1 Mark]**

  v. CTRL+X **[1 Mark]**

  vi. CTRL+Y **[1 Mark]**

QUESTION THREE

a) What is *SERVER* as used in computer network **[2 Marks]**

b) Give **FIVE** advantages of the *internet* in modern society **[5 Marks]**

c) Name any **SIX** *web browsers* used to access the internet **[6 Marks]**

d) Give **TWO** examples of search engines used in the internet? **[2 Marks]**

QUESTION FOUR

a) What is *internet* **[2 Marks]**

b) What is a *search engine* as used in the internet **[4 Marks]**

c) Give **FIVE** applications of *databases* **[5 Marks]**

d) What is a *database* **[2 Marks]**

e) Distinguish between *data* and *information*

QUESTION FIVE

i) State **THREE** applications of Microsoft Excel **[3 Marks]**

ii) Define *client* giving one example **[2 Marks]**

iii) Describe **FIVE** similarities between laptop computer and a smart phone **[10 Marks]**

QUESTION SIX

a) List **THREE** types of *views* in MS PowerPoint **[3 Marks]**

b) What is the equivalent of MS Office in Linux **[2 Marks]**

c) Explain how to insert a hyperlink on MS PowerPoint **[3 Marks]**

d) State **TWO** applications of MS PowerPoint in modern world. **[2 Marks]**

List **FIVE** applications of computers in Business and Education