



## GARISSA UNIVERSITY

UNIVERSITY EXAMINATION **2017/2018** ACADEMIC YEAR **ONE**  
**SECOND** SEMESTER EXAMINATION

SCHOOL OF INFORMATION TECHNOLOGY

FOR THE CERTIFICATE IN INFORMATION TECHNOOLOGY

COURSE CODE: CIT 101

COURSE TITLE: INTRODUCTION TO COMPUTERS

EXAMINATION DURATION: 3 HOURS

**DATE: 09/04/18**

**TIME: 09.00-12.00 PM**

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### 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

This paper consists of **THREE (3)** printed pages

*please turn over*



### QUESTION ONE (COMPULSORY)

- (a) Computers have become an integral part of our society today; this has been occasioned by the benefits that computers bring to the society. Investigate any **two** of these benefits. [2 marks]
- (b) Computers can be classified in **three** major categories, discuss these categories highlighting the sub categories under each. [9 marks]
- (c) With the aid of a software tree discuss computer software [14 marks]

### QUESTION TWO

- (a) With aid of a diagram discuss the functional organization of the computer [12 marks]
- (b) Identify any three categories of keys that can be found on a standard keyboard [3 marks]

### QUESTION THREE

Printers form an integral part of computer output ; discuss the historical evolution of printers citing the advantages and disadvantages of each stage in evolution . [15 marks]

### QUESTION FOUR

- (a) Discuss Four types of read only memory (ROM) [8 marks]
- (b) Distinguish between Static RAM and Dynamic RAM [4 marks]
- (c) Explain the following memories as used in computing
  - i. Registers
  - ii. Buffers
  - iii. Cache [3 marks]

### QUESTION FIVE

- (a) Define the term Topology as used in Computer networking [2 marks]
- (b) Discuss with aid of diagrams any Four Topologies used in Networking [8 marks]
- (c) list Five browsers that are commonly used when accessing internet from a computer [5 marks]



### QUESTION SIX

(a) Computer monitors can be classified into various categories, describe the following terms as used in Monitor categorization;

- i. C.R.T
- ii. L.C.D
- iii. T.F.T
- iv. Plasma
- v. rectangle
- vi. vi. Monochrome

**[12 marks]**

(b) Jamal intends to buy a desktop computer, advice Him on three considerations He needs to take into account before purchasing the computer.

**[3 marks]**

