



GARISSA UNIVERSITY

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

SCHOOL OF COMPUTER AND INFORMATION SCIENCE
FOR THE DIPLOMA INFORMATION ECHNOLOGY

COURSE CODE: DIT 001

COURSE TITLE: PRINCIPLES OF INFORMATION TECHNOLOGY

EXAMINATION DURATION: 3 HOURS

DATE: 09/04/18

TIME: 09.00-12.00 PM

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 TWO (2) printed pages

SEM 11, 17/18 main exam (06/04-19/04/18)

please turn over

Good Luck – Exams Office



QUESTION ONE (COMPULSORY)

- a) Define a computer algorithm(1mark)
- b) Explain the meaning of an peripheral, giving two example devices that are in this category(3marks)
- c) Define the term computerization(1mark)
 - i. State and explain the advantages of a computerized system over the manual system(10marks)
 - ii. State and describe the roles of ICT to and organization(10marks)

QUESTION TWO

- a) Define the term data processing(1mark)
- b) State and describe the stages of data processing cycle (10marks)
- c) Differentiate Logical file and physical file(4marks)

QUESTION THREE

- a) Define the term Application software(1mark)
- b) State and explain the word processing function(10marks)
- c) State the features of the word processing application(4marks)

QUESTION FOUR

- a) Define the term system(1mark)
- b) State and explain two components of an information system(4marks)
- c) There are different types of information system. State and describe them(10marks)

QUESTION FIVE

- a) Differentiate between the Local Area Network and Wide Area Network(1mark)
- b) The open system interconnect (OSI)model has seven layers describe each layer(14marks)

QUESTION SIX

- a) Define the following term
 - i. Hardware (1mark)
 - ii. Software (1mark)
 - iii. Data (1mark)
 - iv. information(1mark)
 - v. computer technology (1mark)
- b) Briefly describe the computer generations(10marks)

