

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

**UNIVERSITY EXAMINATIONS 2016/2017**

**YEAR 1 SEMESTER 1 /STAGE II EXAMINATIONS FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY/DIPLOMA IN PURCHASING AND SUPPLIES MANAGEMENT/BUSINESS ADMINISTRATION/BUSINESS INFORMATION TECHNOLOGY**

**DIT/CIT 0101: INTRODUCTION TO COMPUTERS**

**DATE: JULY 2017 TIME: 1.5 HOURS**

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

a) What is an input device (2 marks)

b) Explain any four types of key board (8 marks)

c) Define the term operating system and give at least two types (5 marks)

d) i) What is the different between hardware and software (4 marks)

ii) Draw the diagram of a schematic representation of computer software. Give one example for each (8 marks)

iii) Differentiate between impact printer and non-impact printer

(3 marks)

QUESTION TWO (15 MARKS)

a) Differentiate between mechanical and optical mouse (4 marks)

b) i) Discuss three types of ROM (3 marks)

ii) State at least three characteristics of a good computer system

(3 marks)

c) Computer have evolved through many generations over the years, state and explain the five generations of computers (5 marks)

QUESTION THREE (15 MARKS)

a) i) Explain any four common types of number systems (4 marks)

ii) State any three types of monitors (3 marks)

b) Convert the following to various respective number system (6 marks)

i) 8610 X2

ii) 0.2510 X2

iii) ABC 16 X10

c) 11001102 – 10000102 (2 marks)

QUESTION FOUR (20 MARKS)

a) The main components of cpu help it in performing various functions. With the aid of diagram explain any four components (8 marks)

b) State at least four functions of operating system (4 marks)

c) Differentiate between custom made and package software (3 marks)