

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

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2014/2015**

**YEAR I SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF PUBLIC HEALTH**

**ICS 2100: INFORMATION TECHNOLOGY**

**DATE:DECEMBER 2014 TIME: 2 HOURS**

**INSTRUCTIONS:** Answer all questions in section A and only one in section B

SECTION A (48 MARKS)

QUESTION ONE

a. What is file management? (2 marks)

b. Information stored in a file can be accessed in two ways. Briefly explain them.

(4 marks)

QUESTION TWO

a. Differentiate between ROM and RAM in regards to volatility.

b. Give two examples of RAM and another two examples of ROM. (6 marks)

QUESTION THREE

a. Define the terms system software and application software. (6 marks)

b. Give two examples of each.

QUESTION FOUR

a. What is a computer?

b. List the classification of computer according to speed and computing power.

(6 marks)

QUESTION FIVE

Convert the following numbers to the decimal number system.

a. 101012

b. 19FDE16 (6 marks)

QUESTION SIX

a. List any three operations that a text editor can be used to perform.

b. There are three ways to view a document in Microsoft word. List them.

(6 marks)

QUESTION SEVEN

Define the following terms.

a. Bit

b. End user

c. Warm boot. (6 marks)

QUESTION EIGHT

a. What is a relational database?

b. List the four Microsoft Access objects. (6 marks)

SECTION B (22 MARKS)

QUESTION NINE

a. What is an operating system? (2 marks)

b. Discuss any five characteristics of an operating system. (10 marks)

c. Some of the major changes brought on by window 8 are listed below. Briefly explain each one.

i. Start screen

ii. Live tiles

iii. Improved security

iv. Chains bar

v. Social networking features. (10 marks)

QUESTION TEN

a. Give five examples of input devices and another five examples of output devices.

(10 marks)

b. Using a diagram, explain the various components of a computer system.

(12 marks)

QUESTION ELEVEN

a. What are the advantage and disadvantages of computer systems. (10 marks)

b. Discuss how information technology can have an impact on public health.

(12 marks)