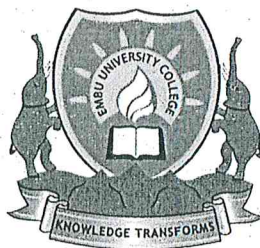


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EMBU UNIVERSITY COLLEGE
(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)

SECOND SEMESTER EXAMINATIONS 2013/2014

**SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN AGRICULTURE, BACHELOR OF SCIENCE IN HORTICULTURE,
BACHELOR OF SCIENCE IN RANGE MANAGEMENT, BACHELOR OF SCIENCE
MANAGEMENT OF AGRO-ECOSYSTEM & ENVIRONMENT, BACHELOR OF
SCIENCE IN WATER RESOURCE MANAGEMENT, BACHELOR OF SCIENCE IN
AGRIBUSINESS MANAGEMENT AND BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION & EXTENSION**

**AEB 101/AEB 106: INTRODUCTION TO COMPUTERS AND INFORMATION
SYSTEMS**

DATE: APRIL 8, 2014

TIME: 11.00AM - 1.00PM

INSTRUCTIONS:

ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS

QUESTION ONE

- a) Identify two input and two output devices and explain how they are used (2 marks)
- b) Differentiate between the RAM and ROM (2 marks)

- c) Distinguish between application software and the operating system by giving relevant examples (4 marks)
- d) Discuss four types of secondary storage (4 marks)
- e) Discuss three types of communication medium used in networking (3 marks)
- f) What is a file in computing term (1 marks)
- g) Outline four issues addressed in the code of ethics for computer professionals (4 marks)
- h) Distinguish between any three views available in PowerPoint (3 marks)
- i) Illustrating with a practical example, explain how the “ Find and Replace” feature is used in Microsoft word (3 marks)
- j) What is the decimal result of the binary sum 1001+0011 (4 marks)

QUESTION TWO

- a) Explain five functions of the operating system (10 marks)
- b) Explain three ways in which you can ensure the security of your data when accessing the internet (6 marks)
- c) Explain the role of the following components of a computer (4 marks)
 - i.) ALU
 - ii.) Main memory

QUESTION THREE

- a) Highlight five components found in a personal computer console (10 marks)
- b) By the use of a well labeled diagram, illustrate how a hard disk functions (10 marks)

QUESTION FOUR

- a) Identify the role that the CPU plays in a computer system (4 marks)
- b) Explain the following terms as used in computing. For each term give relevant examples (10 marks)
 - i.) ICT
 - ii.) Search engine
 - iii.) Software

- iv.) Hardware
 - v.) Information system
- d.) The computers largest circuitry board is the motherboard. Its home to various PC components. Discuss any three of these components (6 marks)

QUESTION FIVE

a.) The windows operating system offers its user different ways of turning the computer off. Explain what happens when a user activates the following choices (4 marks)

- i.) Log off
- ii.) Stand by
- iii.) Hibernate
- iv.) Restart

b.) Outline the steps you would follow to create a function in excel (6 marks)

c.) Differentiate between the following terms (10 marks)

- i.) Database and a database management system
- ii.) Primary key and foreign key
- iii.) A field and a record
- iv.) A form and a report
- v.) A macro and a module

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