



EMBU UNIVERSITY COLLEGE
(A Constituent College of the University of Nairobi)

2015/2016 ACADEMIC YEAR
SECOND SEMESTER EXAMINATIONS

FIRST YEAR FOR THE DEGREE OF BACHELOR OF ECONOMICS, BACHELOR OF
SCIENCE (AGRICULTURE) AND BACHELOR OF SCIENCE (RANGE
MANAGEMENT)

XEA 104/AEB 101/AEB 106/ABC 101 –INTRODUCTION TO COMPUTERS

DATE: APRIL 5, 2016

TIME: 08:30-10:30

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE

- a) Explain any three methods used in classifying computers giving relevant examples in each case. (6 marks)
- b) Define the following terms
- i) Desktop
 - ii) File
 - iii) Recycle bin
 - iv) Icon
 - v) Folder
 - vi) Information (6 marks)
- c) Highlight four differences between ROM and RAM. (8 marks)
- d) With the help of a diagram, describe four main parts of the computer architecture citing two examples in each. (10 marks)

QUESTION TWO

- a) State and explain two behavioral health risks associated to computers. (4 marks)
- b) Distinguish between a file and a folder. (4 marks)
- c) Explain the functions of an operating system. (8 marks)
- d) State and explain the functions of any two (2) components inside the systems unit of a micro-computer. (4 marks)

QUESTION THREE

Increasing the use of Local Area Networks, Metropolitan Area Networks and the Wide Area Networks widened the scope of computer applications. The services available on the internet include the World Wide Web and e-mail.

- i) Explain each of the terms underlined (10 marks)
- ii) Suggest three advantages of using a Local Area Network. (6 marks)
- iii) Discuss the network protocol TCP/IP. (4 marks)

QUESTION FOUR

- a) Describe any two network topologies giving at least one advantage and one disadvantage of each. (6 marks)
- b) Differentiate between a virus, worm and a Trojan horse. (3 marks)
- c) Differentiate between an absolute function and a relative function. (2 marks)
- d) Describe how you would perform the following in Ms excel:
 - i) Copy a formula to a contiguous range of cells
 - ii) Remove/delete a column from the worksheet (4 marks)
- e) Distinguish between digital and analogue computers. (5 marks)

QUESTION FIVE

- a) Electronic commerce transactions are becoming common these days as internet spreads across the world. Discuss the advantages and disadvantages of E- commerce to both sellers and buyers. (20 marks)

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