



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR IN BUSINESS

ADMINISTRATION WITH IT

1ST YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

NAIROBI CITY LEARNING CENTRE

COURSE CODE: SCS 101

COURSE TITLE: INTRODUCTION TO COMPUTER APPLICATIONS

EXAM VENUE:

STREAM: (BBA)

DATE:

EXAM SESSION:

TIME:

QUESTION ONE: (30 MARKS)

- a) Distinguish clearly between the following terms and give atleast one example in each:
 - i) System software and application software (2marks)
 - ii) Volatile memory and non-volatile memory (2marks)
- b) Solve the following: how many bytes are in (i) 100MB (ii) 10GB (4marks)
- c) Name and differentiate between the two types of monitors (4marks)
- d) Explain any two roles that are being played by arithmetic/logic unit(ALU) of a computer (4marks)
- e) State two types of RAM, and explain three characteristics of a RAM (5marks)
- f) Name three main building blocks of computer systems according to Von Neumann model. (3marks)
- g) State and explain the three system bus that is connected to the main blocks of computer systems according to Von Neumann model. (6marks)

QUESTION TWO (20 MARKS)

- a) Explain how information is being stored in computers. (4marks)
- b) State and explain four classifications of computers based on their capacity, prize and size (8 marks)
- c) Draw and describe the block diagram that shows major relationship between CPU components according to Von Neumann model. (8marks)

QUESTION THREE: (20 MARKS)

- a) State two types of printers and explain their differences (4marks)
- b) Explain three functions played by Central Processing Unit (CPU)/Processor (6marks)
- c) Explain five benefits of Database to store information (10 marks)

QUESTION FOUR: (20 MARKS)

- a) Explain the functions of following three operations of a control unit of computers;
Fetch, decode and execute. (4marks)
- b) Explain four steps followed when saving a new document in Microsoft word (4 marks)
- c) Computers have evolved through many generations over the years. State and explain the characteristics of the 2nd, 3rd and 4th generations of computers (12marks)

QUESTION FIVE: (20 MARKS)

- a) What is the difference between warm boot and cold boot? (4marks)
- b) State six features that Microsoft Word screen contains. (6marks)
- c) Discuss five characteristics of computers. (10 marks)