



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS  
ADMINISTRATION WITH I.T**

**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2018/2019 ACADEMIC YEAR**

**NAIROBI CAMPUS**

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**COURSE CODE: SCS 101**

**COURSE TITLE: INTRODUCTION TO COMPUTER**

**EXAM VENUE:**

**STREAM: (BBA)**

**DATE: 14/08/19**

**EXAM SESSION: 9.00 – 11.00am**

**TIME: 1.50 HOURS**

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**INSTRUCTIONS:**

- 1. Answer Question ONE (COMPULSORY) and ANY other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

### QUESTION ONE 30 MARKS

- a) Distinguish clearly between the following terms and give at least 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) 100GB (ii) 10TB (4marks)
- c) Name and differentiate between the two types of monitors (3marks)
- 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 any four types of computer networks. (4marks)
- 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 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> 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)