



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS
ADMINISTRATION
1ST YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR
MAIN, KISUMU, NAIROBI, NAMBALE CAMPUSES

COURSE CODE: SCS 3111

COURSE TITLE: COMPUTER ORGANIZATION AND APPLICATION

EXAM VENUE:

STREAM:

DATE: 12/08/19

EXAM SESSION: 2.00 – 4.00PM

TIME: 2.00 HOURS

INSTRUCTIONS

- 1. Answer Question 1 (Compulsory) and ANY other TWO 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 1 [30 MARKS]

- a) Differentiate between volatile and non-volatile memory giving examples of each (2 marks)
- b) Highlight FIVE factors to consider when selecting a computer printer. (5 Marks)
- c) Describe the major computer generations and their characteristics (10 Marks)
- d) Name FIVE examples of high level languages (5 Marks)
- e) Name three things that get information into a computer. (3 marks)
- f) Evaluate any FIVE threats and vulnerability to computer system (5 Marks)

QUESTION 2 [20 MARKS]

- a) Briefly discuss ways that employees react when computer are introduced (4 Marks)
- b) List three factors to consider when acquiring a printer. (6 Marks)
- c) Identify and explain three types of printers in the market in Kenya? (6 Marks)
- d) Convert the following numbers into Decimal (4 marks)
 - i. 110110_2
 - ii. 2573_8

QUESTION 3 [20 MARKS]

- a) Briefly discuss the generations of computers (10 marks)
- b) What are the fundamental components of a computer? (2 marks)
- c) Explain the fetch execute cycle (4 marks)
- d) What advantages do compilers have over interpreters? (4 marks)

QUESTION 4 [20 MARKS]

- a) What is an operating system (2 marks)
- b) With two examples of each, Differentiate between Utility programs and Operating system (6 mark)
- c) Explain in your own words what we mean by 'Expansion slots' in a computer. (2 Marks)
- d) Give four examples of: (10 marks)
 - i. Internal components of a computer
 - ii. Storage devices
 - iii. Output devices

QUESTION 5 [20 MARKS].

- a) Outline giving examples three ways of writing a formula in Microsoft Excel (6 Marks)
- b) Identify FOUR documents that can be generated by the use of Microsoft PowerPoint (4 Marks)
- c) Distinguish between the following terms (10 Marks)
 - i. Software and Hardware
 - ii. Keying device and Pointing device
 - iii. LAN and WAN
 - iv. Softcopy and Hardcopy
 - v. Data and Information