



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

**SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS**

**DEPARTMENT OF COMPUTER SCIENCE & SOFTWARE ENGINEERING**

**UNIVERSITY EXAMINATION FOR THE DIPLOMA IN COMMUNITY HEALTH**

**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2015/2016 ACADEMIC YEAR**

**KISUMU LC**

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**COURSE CODE: SCS 2111**

**COURSE TITLE: INTRODUCTION TO COMPUTER APPLICATIONS**

**EXAM VENUE:**

**STREAM:**

**DATE:**

**EXAM SESSION:**

**TIME:**

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### **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 ONE

- a) Data within a computer goes through several processes including input, storage, output, processing. Explain each process giving examples of devices used in each. [5 Marks]
- b) Briefly explain some of the features of MS word [5 marks]
- c) Differentiate between a Function and a Formula in MS Excel give example in each case [2 Marks]
- d) Explain the functions of the following peripheral Devices
- i. Monitor [1 Marks]
  - ii. Mouse [1 Marks]
  - iii. Keyboard [1 Marks]
- e) Explain what happens during the boot-up process and state various ways that you can troubleshoot if the process was not successful. [5 Marks]
- f) Distinguish between the following as used in computer networks:
- i. Router and a Switch [1 Marks]
  - ii. Server and Client. [1 Marks]
- g) A LAN (Local Area Network) is often installed by a business to achieve either or both of the following objectives:
- i. Sharing of peripherals
  - ii. Sharing of data
- By reference to a typical business explain each of the objectives. [4 Marks]
- h) Outline TWO possible problems of sharing data within a network. [4 Marks]

### QUESTION TWO

- a) Outline FIVE computer applications area in our society today. [10 Marks]
- b) Citing examples explain FIVE functions of Microsoft Excel [10 Marks]

### QUESTION THREE

- a) Outline the Social and Economic Impacts of ICT in the modern Society [20 Marks]

### QUESTION FOUR

- 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

### QUESTION FIVE

- a) Database Management Software play a vital role in various fields including Health sectors. Briefly describe the FIVE roles that DBMS play in Health sectors. [10 Marks]
- b) Explain the role of the following terminologies as used in Microsoft Access [ 5 Marks ]
- i. Tables
  - ii. Forms
  - iii. Reports
  - iv. Query
  - v. Databases
- c) With aid of a diagram identify five components of a computer network [5 Marks]