



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

DEPARTMENT OF COMPUTER SCIENCE & SOFTWARE ENGINEERING

UNIVERSITY EXAMINATION FOR THE BACHELOR DEGREE IN COMMUNITY HEALTH

1ST YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

KISUMU LC

COURSE CODE: SCS 3111

COURSE TITLE: INTRODUCTION TO COMPUTER APPLICATIONS

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME:

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]