



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT
1ST YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR
MAIN, NAMBALE CAMPUS

COURSE CODE: SCS 2111

COURSE TITLE: INTRODUCTION TO COMPUTER APPLICATIONS

EXAM VENUE: **STREAM :(Dip. In Comm. Health and Development)**

DATE: 06/12/2018

EXAM SESSION: 12.00-2.00PM

TIME: NO of STUDENT: 50

INSTRUCTIONS:

- 1. Answer Questions 1 (Compulsory) and ANY other Two(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) Briefly explain the term “computer booting”. (2 marks)
- b) Give and explain two types of booting (4 marks)
- c) List four types of keys found on a computer keyboard, giving an example of each (4 marks)
- d) State and explain any four reasons why an organization may prefer using computer systems as opposed to manual systems (8 Marks)
- e) Enumerate three functions performed by the CPU (6 Marks)
- f) Give two advantages of previewing a document before printing (2 marks)
- g) Outline any four main features that make word processors popular programs. (4 marks)

QUESTION TWO (20 MARKS)

- a) State any two factors used to classify computers (2 marks)
- b) Briefly explain the classification of computer according to historical development (Generations) (10 marks)
- c) State specific examples where each of the following types of computers can be used (8 marks)
 - i) Supercomputer
 - ii) Mainframe computer
 - iii) Minicomputer
 - iv) Microcomputer /personal computer

QUESTION THREE (20 MARKS)

- a) State and explain three functional elements of a computer system (6 marks)
- b) In reference to ALU, explain the meaning of logic operations and give an example of this processing operation (4 marks)
- c) Explain any five functions of an operating system software (10 marks)

QUESTION FOUR (20 MARKS)

- a) Clearly define the term word processor and List three common examples of word processing software widely used in the market today (5 marks)
- b) Give any five document formatting features of a word processor. (5 marks)
- c) Differentiate between the traditional analysis ledger sheet and an electronic spreadsheet. (5 marks)
- d) Explain five application areas where spreadsheet software can be used. (5 marks)

QUESTION FIVE (20 MARKS)

- a) State and explain five ways in which a computer may be used in efficient running of a hospital. (10 marks)
- b) State six factors which you would consider when selecting computer hardware for an organization (10 marks)