



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT**

1st YEAR 2nd SEMESTER 2016/2017 ACADEMIC YEAR

KISII CAMPUS

COURSE CODE: SCS2124

COURSE TITLE: INFORMATION TECHNOLOGY AND SOCIETY

EXAM VENUE: STREAM: (Dip. Comm Hlth & Dev)

DATE: EXAM SESSION:

TIME: 1.5 HOURS

Instructions:

- 1. Answer all questions in section A and any other 2 questions in Section B.**
- 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**

SECTION A

QUESTION ONE

- a) Computer system is made up of hardware and software. Highlight the hardware components of a computer system giving examples in each (3mks)
- b) Outline the relevance of excel to healthcare (2mks)
- c) Differentiate between the following terms (2mks)
 - i. Softcopy and hardcopy
 - ii. Warm boot and cold boot
- d) State functions of operating system (3mks)
- e) Define the following terms (3mks)
 - i. Operating system
 - ii. computer software
 - iii. Computer network
- f) State four reasons why computers in an organization should be networked(3mks)
- g) discuss any negative impacts of computer use in the society (3mks)
- h) Define the term word processing (2mks)
- i) State and explain three features of a word processor (3mks)
- j) List and explain the application areas of computers in society today (3mks)
- k) list the steps of saving a new Microsoft Word document (3mks)

QUESTION TWO

- a) Outline the relevance of spreadsheets and excel to healthcare (4mks)
- b) Using diagrams describe the following types of computer network topology(4mks)
 - i. Star Topology
 - ii. Ring Topology
- c) State and explain the applications of the following application software's used for(4mks)
 - i. Word processing software
 - ii. Spreadsheet software
 - iii. Database systems Software
 - iv. Graphics Software
- d) Explain any three ideal application areas of Microsoft access(3mks)

QUESTION THREE

- a) What is software? List and explain three major classifications of computer software(5mks)
- b) Using word processor, describe in detail the process of creating a Table(3mks)
- c) Explain the term spreadsheet and discuss some of its features(4mks)
- d) Computers can operate in either analog or digital modes. Distinguish between analog and digital computers (3mks)

QUESTION FOUR

- a) Define the following terms
(5mks)
 - i. Internet
 - ii. Network
 - iii. Teleconferencing
 - iv. Web browser
 - v. Hyperlinks
- b) Briefly outline the factors determining internet speed
(4mks)
- c) Give the examples of services offered by the internet
(2mks)
- d) Outline the advantages and disadvantages of a network
(4mks)

QUESTION FIVE

- a) Define the following terms(4mks)
 - i. Computer
 - ii. Computer software
 - iii. Computer hardware
 - iv. Computer virus
- b) State and explain the classification of computers(5mks)
- c) Define the term system software and give two examples of system software(4mks)
- d) Outline disadvantages of the internet(2mks)