

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

**SCHOOL OF HEALTH SCIENCES**

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

**1ST YEAR 1ST SEMESTER 2016/2017 ACADEMIC YEAR**

**MAIN CAMPUS**

**COURSE CODE: CSC 2124**

**COURSE TITLE: INFORMATION TECHNOLOGY AND SOCIETY**

**EXAM VENUE: STREAM**

**DATE: EXAM SESSION:**

**TIME:**

**INSTRUCTIONS**

1. **Answer all questions in section A and any two 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**

1. Define:

1. Information (1marks)
2. Data (1 marks)
3. Computer software (1 marks)
4. Periferal devices (1mark)

2. Distinguish between

1. System software and application software (2 marks)
2. Peripheral devices of a computer and internal devices of a computer (2 marks)
3. Explain the terms ROM and RAM (2 marks)
4. Hard copy and soft copy of a document (2 marks)
5. Write the following abbreviations in full: (7 marks)
6. ALU
7. PC
8. CPU
9. MODEM
10. GIGO
11. WAN
12. LAN
13. What short cut keys would you use to do the following: (4 marks)
14. Underlining text
15. Printing a document
16. Saving a document
17. Italicizing a text
18. Which computer generations have the following as their main electronic components? (3 marks)
19. Ultra large scale integration
20. Vacuum tubes
21. Transistors
22. State four disadvantages of computers (4 marks)

**SECTION B**

1. a. Describe the various types of computers as classified based on size. (10 marks)

b. How are fifth generation computers different from first generation computers? (10 marks)

2. Discuss how computers can be used in health care institutions. (20 marks)

3. a. How are word processors better than typewriters. (10 marks)

b. Draw a diagram showing how the computer components are organized and related. (10 marks)

4. A student bought a computer system. The hardware items supplied include a 2.56 GHZ processor, 640 MB RAM, a sound card, speaker, a monitor, a keyboard, a 40 GB hard disc, a floppy disc drive, a CD read/write drive, a mouse, a modem, an inkjet printer and a joystick. The software supplied include: an operating system, a JAVA interpreter and the following packages: Spreadsheets, graphics, word processor, art, database and games.

1. List three output devices from the given specifications (3 marks)
2. List three input devices from the given specifications (2 marks)
3. Name the packages used to:
4. Do calculations and drawing graphs (1 mark)
5. Write an essay (1 mark)
6. Make a poster (1 mark)
7. Which two hardware items are needed to produce sound? (2 marks)
8. Name three hardware components found inside the system unit. (3 marks)
9. What specifications would you consider when buying a computer? (3 marks)