

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

UGUNJA STUDY CENTRE

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

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- i. Information (1marks)
- ii. Data (1 marks)
- iii. Computer software (1 marks)
- iv. Periferal devices (1mark)

2. Distinguish between

- i. System software and application software (2 marks)
- ii. Peripheral devices of a computer and internal devices of a computer (2 marks)
- 4. Explain the terms ROM and RAM (2 marks)
- 5. Hard copy and soft copy of a document (2 marks)
- 6. Write the following abbreviations in full: (7 marks)
 - i. ALU
 - ii. PC
 - iii. CPU
 - iv. MODEM
 - v. GIGO
 - vi. WAN
 - vii. LAN
- 7. What short cut keys would you use to do the following: (4 marks)
 - i. Underlining text
 - ii. Printing a document
 - iii. Saving a document
 - iv. Italicizing a text

- Which computer generations have the following as their main electronic components? (3 marks)
 - i. Ultra large scale integration
 - ii. Vacuum tubes
 - iii. Transistors
- a. 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.
 - a. List three output devices from the given specifications (3 marks)
 - b. List three input devices from the given specifications (2 marks)
 - c. Name the packages used to:
 - i. Do calculations and drawing graphs (1 mark)
 - ii. Write an essay (1 mark)
 - iii. Make a poster (1 mark)
 - d. Which two hardware items are needed to produce sound? (2 marks)
 - e. Name three hardware components found inside the system unit. (3 marks)
 - f. What specifications would you consider when buying a computer? (3 marks)