



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY
UNIVERSITY EXAMINATION 2023/2024
FIRST YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF
SCIENCE IN COMMUNITY HEALTH DEVELOPMENT AND PUBLIC
HEALTH
(PART TIME– KISUMU CAMPUS)

COURSE CODE: ITB 9101
TITLE: COMPUTER ORGANIZATION & APPLICATION
DATE: DEC 2024
TIME:

DURATION: 2 HOURS
VENUE: KISUMU CAMPUS

INSTRUCTIONS

- 1. This paper contains FIVE (5) questions.**
- 2. Answer question 1 (compulsory) and ANY other 2 questions.**
- 3. Write all answers in the booklet provided.**

QUESTION ONE (30 MARKS):

- A) List any **eight** computer input devices you know? (4 marks)
- B) Briefly discuss **five** ways by which computer viruses can be curbed? (5 marks)
- C) Differentiate between decimal number system and binary number system?(4 marks)
- D) Discuss the term application software? (2 marks)
- E) Computers have become an important part in hospitals, labs, and dispensaries. Briefly discuss **four** major fields of health care in which computers are used? (4 mark)
- F) List **five** major operations performed by a computer irrespective of its size and make? (5 marks)
- G) Computerization in our society is a blessing and a curse, discuss? (6 marks)

QUESTION TWO (20 MARKS)

- (A) Discuss **five** characteristics of computers that have made them so powerful and universally useful? (10 marks)
- (B) Give one similarity and two differences between the following acronyms as use in computing?
 - (i) ROM and RAM (5 marks)
 - (ii) CD and DVD (5 marks)
 - (iii)

QUESTION THREE (20MARKS)

- A) Using clear formula/illustrations, convert the following binary numbers into integers?
 - i. 110011 (2 marks)
 - ii. 01101000 (2 marks)
- B) In representation of a character in computer we use strings of 0's and 1's only, in respect of this discuss the **three** standard coding schemes? (6 marks)
- C) Briefly discuss **five** types of application software that are commonly used? (10 marks)

QUEATION FOUR (20 MARKS)

- A) Define the following terms as used in computing?
 - i. Booting of Computer (2 marks)
 - ii. Cold boot (2 marks)
 - iii. Warm boot (2 marks)
- B) Describe any two functions of spreadsheets? (1 marks)
- C) With the help of simple diagrams, briefly define the following terms ?
 - i. Row (2marks)
 - ii. Column (2marks)
 - iii. Cell (2marks)
- D) List any **seven** versions of windows operating system you are familiar with? (7 marks)

QUESTION FIVE (20 MARKS)

- A) Briefly discuss electronic spreadsheet and list 3 examples of spreadsheet?(6 marks)
- B) Define the following terms:

- i. The World Wide Web (WWW) (2marks)
 - ii. The Internet. (2marks)
 - iii. Internet Protocol (2marks)
 - iv. Web browser (2marks)
- C)** Define database and give any **two** of its characteristic? (2 marks)
- D)** List and explain the basic requirements to able to access the Internet? (4 marks)

END