



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF SCIENCE AND
TECHNOLOGY (MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER EXAMINATIONS

EXAMINATION

FOR

**THE CERTIFICATE IN EDUCATION
(EARLY CHILDHOOD EDUCATION)**

COURSE CODE: ECD 014

COURSE TITLE: TECHNOLOGY APPLICATION IN EDUCATION

DATE: 20TH APRIL 2023

TIME: 8:00 – 10:00 AM

INSTRUCTIONS TO CANDIDATES

Question ONE (compulsory) and any other TWO questions

MMUST observe ZERO tolerance to examination cheating

SECTION 1(compulsory)

1a. Define the following terms

- (i) Program
- (ii) Data
- (iii) Data processing
- (iv) Network
- (v) System unit (5mks)

b) List five devices located under the cover of the system unit (5mks)

c) State five factors used to classify computers (5mks)

d) State the advantages and disadvantages of computer networks (10mks)

e) Highlight 5 types of network topology (5mks)

SECTION 2 (Answer any two questions)

2 a. With relevant examples explain the basic components of a computer system (10mks)

b. Explain important functions of a computer (10mks)

3a. Explain five areas where computers are used to process data (10 marks)

b. Explain five reasons which make microcomputers suitable for personal computing work (10mks)

4 a. Briefly explain the classification of computer according to historical development (generations) (12mks)

b. Clearly explain the advantages of having basic computer skills to the teacher (8mks)