



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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

FIRST YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DIPLOMA

IN

INFORMATION TECHNOLOGY

COURSE CODE: DBT 074

COURSE TITLE: COMPUTER SYSTEM SECURITY

DATE: Thursday 21/04/2022

TIME: 12:00-2:00p.m

INSTRUCTIONS TO CANDIDATES

Answer Questions ONE and ANY OTHER TWO.

TIME: 1 Hour 30 Minutes

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

50 students

Section A Answer all questions from this section

Question one

- a) Describe any factors to consider before buying antivirus (4 marks)
- b) Describe application security and its importance (3 marks)
- c) Briefly explain following concepts
 - (i) Virus
 - (ii) Trojan
 - (iii) Worm
 - (iv) Adware (8 marks)
- d) What is computer security (2marks)
- e) State any three malware fighting tools (3marks)
- f) The best computer security starts with “me” as the user. Discuss (6Marks)

Section B Answer any two questions from this section

Question Two

- a) Describe the risks associated with storing data digitally (10 Mks)
- b) Describe ways of securing data from digital threats (8 Mks)

Question Three

- a) Describe risks involved in storing files in the clouds (10Mks)
- b) Describe THREE types of computer security (6Mks)
- c) What is IPS and IDS (2 mks)

Question Four

- a) Describe what is a firewall and explain the THREE states of connection (10 marks)
- b) Explain the following terms and state how they can be prevented
 - (i) Eavesdropping (4marks)
 - (ii) Phishing (4 marks)

Question Five

- a) Describe human behavior elements that can lead to security threats or attacks (18mks)