



(The University of Choice)
**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

UNIVERSITY EXAMINATIONS

MAIN CAMPUS

2021/2022 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
BACHELOR OF TECHNOLOGY EDUCATION (COMPUTER STUDIES)**

COURSE CODE: BCS 123

COURSE TITLE: INTRODUCTION TO INTERNET TECHNOLOGY

DATE: Wednesday 27th April, 2022 TIME: 8:00-10:00AM
INSTRUCTIONS TO CANDIDATES

Answer questions ONE and any other TWO questions.

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 3 Printed Pages. Please Turn Over. ▲

Question 1 (30 marks)

- a) What is the purpose of an Access Point [2 Marks]
- b) Explain two ways of assigning an IP address to a computer [4 Marks]
- c) Apart from the IP address what two other parameters do you set in a computer in order to connect it to the internet [4 Marks]
- d) List and explain two advantages and two disadvantages of wireless network [8 Marks]
- e) Define instant messaging [2 Marks]
- f) Give two reasons why instant messaging has gained popularity over E-mail [4 Marks]
- a) List six factors you consider when designing a website for an organization [6 Marks]

Question Two

- a) Explain three major differences between peer-to-peer and client-server models [6 Marks]
- b) If you were employed as a Systems Administrator in a University, state and explain five servers you would advise to be set up within the University's LAN [10 Marks]
- c) Describe the basic steps to be followed while creating web pages [4 marks]

Question 3

- a) The internet backbone is hierarchical in nature discuss and illustrate with diagrams where possible. [6 marks]
- b) Explain how search engines work in retrieving web pages [3 marks]
- c) Explain three tiers ranging from the smallest to the largest [6 marks]
- d) Use the table tag and any other tag with appropriate attributes to create the table below [5marks]

SCHOOL OF COMPUTING AND INFORMATICS		
NAME	REG. NO.	DEPARTMENT
Rose Tanui	COM/12/2017	Computer Science
Kevin Kamau	BIT/1012/2017	Information Technology
Catherine Nderitu	ETS/1097/2017	Education Technology
Lumumba George	BIK/12/2017	Information Sciences

Question 4

- a) Define weblog and differentiate between weblogs and websites [2 marks]
- b) Describe ways in which access to web pages may be accomplished [4 marks]
- c) Define the following giving examples, with appropriate HTML codes for each
 - (i) Definition List [2 marks]
 - (ii) Unordered List [2 marks]
- d) Use the list tags and appropriate attribute to create document below [10 marks]

EXAMPLE OF NUMBERING

Agenda for employee workshop

I. How to handle stress

- A. Stress relieving exercises
 - 1. Video
 - i. Guest speaker
 - 2. Worksheet
- B. Working with a team
 - 1. Team development exercise
 - i. Group discussion
- C. Effective Communication
 - 1. Panel discussion
 - i. Worksheet

II. Review

Question 5

- a) Write a brief history of the internet noting the major milestones [6 marks]
- b) The WWW and Web browsers have made the Internet a more user-friendly environment. The ability to integrate graphics, text and sound into a single tool means that users have a wide variety of learning tools and experiences. Describe the benefits of WWW in relation to Education. [4 marks]
- c) Use the tags and appropriate attribute to create document below [10 marks]

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Masinde Muliro University of Science and Technology

Your University of Choice

Our Vision
To be a centre of excellence in training, research and innovation in Science & Technology in Africa

Our Mission
To train world class students in training and innovation for sustainable individual prosperity and social development

Our Philosophy
To harness knowledge in applied Science and technology for the service of humanity

Articles, Widgets
and Services for webmasters

Search the web and Windows

10:40 AM
6/11/2018