



(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DIPLOMA

OF

INFORMATION TECHNOLOGY

COURSE CODE: DIT 051

COURSE TITLE: COMPUTER APPLICATIONS

DATE: 28/04/2022

TIME: 3:00 - 5:00PM

INSTRUCTIONS TO CANDIDATES

Question ONE (1) is compulsory
Answer any other TWO Questions.

TIME: 1 Hour 30 Minutes

MMUST observes ZERO tolerance to examination cheating ▲

SECTION A

QUESTION ONE (24 MARKS) -Compulsory

(4 Marks)

- a. Define the following terms
- Computer.
 - Operating System
 - Spreadsheets
 - Program

(5 Marks)

- b. Outline the functions of the following computer units
- Input devices
 - Output devices
 - ALU
 - Memory Unit
 - Control Unit

(3 Marks)

- c. Outline any THREE functions of an Operating System

(3 Marks)

- d. Explain THREE advantages of computers in an industry

(5 Marks)

- e. Explain the functions of the following key combinations

- Ctrl – Z
- Ctrl – V
- Ctrl – S
- Ctrl – X
- Ctrl –Shift - L

- f. To create a professional presentation , presentation Software provides a wide range of features to make this possible. Briefly describe four features that make such possible

(4 Marks)

SECTION B –Answer any two questions in this section

QUESTION TWO (18 MARK)

- a. Discuss any FIVE areas where Electronic Spreadsheets are used
- b. Explain FOUR features of an MS. Excel Window
- c. Study the Excel table below and answer the following question

(5 Marks)

(4 Marks)

	A	B	C	D	E	F	G	H
	Name	Math	Physics	Chemistry	Total	Average	Remarks	Gender
1	John	50	60	90		C	D	M
2	Cynthia	30	60	55	B			F
3	Bahati	60	45	68				F
4	Kevin	67	33	43				M
5	Mike	45	80	67				M
6	Samuel	90	75	77				M
8	Count			A				
9	SumIf		E (Criteria "F")					

Write the formulas to calculate results in cells indicated by A, B, C, D and E (5 Marks)

Note: For remarks, grading is as follows: ≥ 70 Grade is A; ≥ 60 Grade is B; ≥ 50 Grade is C; ≥ 40 Grade is D and < 40 Grade is Fail.

- d. Explain the steps of creating a chart (4 Marks)

QUESTION THREE (18 MARKS)

- a. Define the term "Database" (2 Mark)

(5 Marks)

- b. Describe the following terms as used in database application software

- i. Field
- ii. Record
- iii. DataType
- iv. Foreign key
- v. Rimary key

- c. In a database named Imani Bakers Database, there exists TWO tables: Customer Table and Orders Table.

Customer Table contains fields:

- Customer Id
- First Name
- Last Name
- Address
- City
- Phone Number

Orders Table contains fields:

- Order Id
- Customer Id
- Order date
- Cakes ordered
- Revenue
- Order filled
- Revenue per cake

Using the information provided, answer the following questions:

- i. State the primary key for Orders Table (1 Mark)
- ii. What is the name for Customer Id in Orders table (1 Mark)
- iii. What is the datatype of the field Revenue per cake (1Mark)
- iv. Explain how you would create a relationship between Customer Table and Orders Table (4 Marks)

(4 Marks)

- d. Using examples describe the following database objects

- i. Tables
- ii. Forms

(4 Marks)

QUESTION FOUR (18 MARKS)

- a. Distinguish between Application Software and System software (10 Marks)
- b. Describe any TWO application Software and any TWO System Software giving examples. (4 Marks)
- c. Discuss the application of various software (both application and System Software) in computing. (4 Marks)

QUESTION FIVE (18 MARKS)

- a. Differentiate Copying a file and Moving a file (4 Marks)
- b. Discuss the use of Word Processors in Government Offices (5Marks)
- c. 100 MMUST students were involved in Exam irregularities and the university needs to communicate to parents and guardians of the students to accompany them to face the disciplinary committee.
 - i. Which feature in Ms. Word can be used to generate the letters (1 Mark)
 - ii. Give THREE advantages of the feature in a) i) above in MMUST (3 Marks)
 - iii. Describe the procedure required to create the letters (5 Marks)