



**TECHNICAL UNIVERSITY OF MOMBASA**  
**INSTITUTE OF COMPUTING AND INFORMATICS**

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Select department

**UNIVERSITY EXAMINATION FOR:**

**CBCE, SCAM**

**EIT1101: COMPUTER APPLICATIONS**

**END OF SEMESTER EXAMINATION**

**SERIES:AUGUST2019**

**TIME:2HOURS**

**DATE:**Pick DateSelect MonthPick Year

**Instructions to Candidates**

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

This paper consists of **FIVE** questions. Attemptquestion ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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**Question ONE**

1. Define the following terminologies (5 Marks)
  - i. Database management system
  - ii. Read only memory
  - iii. Operating System
  - iv. Windows
  - v. Telecommuting
2. Explain the FIVE functions of operating System (5 Marks)
3. Differentiate between Application software and System software (4 Marks)
4. Discuss any THREE types of input devices (6 Marks)

## **Question TWO**

1. Discuss the FIVE basic operations performed by a computer system (10 Marks)
2. State and explain the THREE types of backing up storage devices and media. (6 Mark)
3. State and explain any FOUR various types of document views (4 Marks)

## **Question THREE**

1. Define the term spreadsheet (2 Marks)
2. State any FIVE features of a spreadsheet (5 Marks)
3. Outline the steps that can be followed to insert a Drop cap in a word document (3 Marks)
4. Discuss FIVE areas of ICT application (10 Marks)

## **Question FOUR**

1. Discuss the FIVE main components of a window (10 Marks)
2. Explain the following terminologies (5 Marks)
  - i. Data type
  - ii. Data item
  - iii. Field
  - iv. Record
  - v. Database structure
3. Outline Five characteristics of RAM (5 Marks)

## Question FIVE

Use the following section of a spreadsheet to answer question -----

	A	B	C	D	E	F	G
1	St. no.	name	cat	Final exam	Total		
2			<u>30</u>	<u>70</u>	<u>100</u>		
3	100	Tom	20	60			
4	120	Ali	15	52			
5	130	Ken	29	60			
6	140	Omar	26	30			
7							
8							
9							

Write an MS Excel function to calculate the following: -

- i. Determine the total score for Tom (2 Marks)
- ii. calculate average score for Final exam (2 Marks)
- iii. determine most recurrent score for Final Exam (2 Marks)
- iv. determine the highest score in the final exam (2 Marks)
- v. determine the lowest score in the final exam (2 Marks)
- vi. determine the final award if any score below 40% is a "Fail" while 40% and above is a "Pass" (4 Marks)
- vii. Determine student Grade if the scores 0-39%=fail, 40%-55%=Pass, 56%-69%=credit, 70%-100%=Distinction. (6 Marks)