



TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

DCIT JAN 2016

EIT 2101: COMPUTER APPLICATION

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2 HOURS

DATE: Pick Date Select Month Pick 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. Attempt any **THREE** questions.

Do not write on the question paper.

Q1 (a) Explain the following computer terms

- (i) Computer
- (ii) Application packages
- (iii) User programs
- (iv) Read Access Memory (RAM)
- (v) Read Only Memory (ROM) (10 marks)

(b) Explain any five advantages of a computer based system. (10 marks)

Q2 (a) Explain the following components of Central processing unit

- I) Arithmetic logic unit (ALU) (4 marks)
- II) Main memory unit (MMU) (4 marks)
- III) Control unit (CU) (4 marks)

(b) Explain any four application areas of internet (8 marks)

Q3.(a) Explain the term Database management system.

(2 marks)

(b) Explain any five advantages of Database management system.

(10 marks)

c) Explain the following terms as used in Database management systems.

i) Primary key

ii) Entity

(i) Database structure

(ii) Data redundancy

(8 marks)

Q4(a)(i) Explain the term wordprocessor.

(2 marks)

(ii) State any Two types of wordprocessors

(2 marks)

b) Explain any five formatting features in wordprocessing

(10 marks)

c) Explain the following terms as in wordprocessing

(i) Wordrap

(ii) Footer

(iii) Macro

(6 marks)

Q5

From the table below, answer the following questions:

	A	B	C	D	E	F	G	H	I
1	NAME	OS	MAIN	IP	TOTAL	AVERAGE	MAX	MIN	GRADE
2	Mary	56	23	57					
3	Benta	89	45	78					
4	Salome	52	66	78					
5	Jane	23	45	47					
6	Amin	46	38	56					
7	Kirwa	44	39	22					

- a) Write the formula to calculate the total for: (4 marks)
I. Mary
II. Benta
- b) Write the formula to calculate the average for: (4mrks)
I. Salome
II. Amin
- c) Write the formula to calculate the maximum for: (4 marks)
I. Mary
II. Benta
- d) Write the formulae to calculate the minimum for: (4 marks)
I. Mary
II. Benta (4 marks)
- e) Write the formulae to calculate grade given that , average>50 is PASS, otherwise FAIL for : (4 marks)
I. Mary
II. Benta