

**W1-2-60-1-6**

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

# **UNIVERSITY EXAMINATIONS 2016/2017**

EXAMINATION FOR THE DIPLOMA IN INFORMATION TECHNOLOGY YEAR ONE SEMESTER ONE

**DIT 0102 /HCD 0104 : INTRODUCTION TO COMPUTER APPLICATIONS**

**DATE: APRIL 2017 TIME: 1.30 HOURS**

**INSTRUCTIONS:**

**ANSWER QUESTION ONE [COMPULSORY] AND ANY OTHER TWO QUESTIONS**

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**QUESTION ONE [30 MARKS]**

1. Explain the services provided by the local area network [3 marks]
2. Describe any thee types of e-commerce and their incentives [5 marks]
3. Highlight two functions of spreadsheets [2 marks]
4. Describe four types of views that you normally use from time to time when working with documents in Ms-word [4 marks]
5. Explain any two types of optical input devices [3 marks]
6. How do you think the use of surveillance as an aspect of computing enhances transparency in organizations [4 marks]
7. Giving relevant examples, explain the types of relationships [3 marks]
8. Outline and explain any six practical areas of computer applications [3 marks]
9. Highlight any three components of Ms-Access [3 marks]

**QUESTION TWO [15 MARKS]**

Give the following entities extracted from JKUAT Kisii CBD with their

respective attributes student, s-regrio, IFH, LN, Sex, Nationality, year of

Admission

Course , C-code, C-Name, C-duration , Departments; D-Name, D-Location,

D-No lecturer; L-IdNo, FN, LN, Nationality

Required:

(i) Using Ms-Access create a database by the name “Kisii university” with the above tables namely; student, department, courses and lecturer [5 marks]

(ii) Enter at least six records in each tale above, N/B use look up wizard for the fixed sex, Nationality, course code, course name [4 marks]

(iii) Create a query the capture at least one record from each table [3 marks]

(iv) Create a form to capture details from the student table [3 marks]

**QUESTION THREE [15 MARKS]**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Names | Mk1 | MK2 | MK3 | Total | Avg | Max | Grade |
| Joshua | 50 | 60 | 70 |  |  |  |  |
| Joel | 60 | 71 | 71 |  |  |  |  |
| Josephat | 70 | 69 | 52 |  |  |  |  |
| Josephine | 65 | 75 | 60 |  |  |  |  |
| Joseph | 95 | 56 | 57 |  |  |  |  |
| Jenifer | 61 | 68 | 80 |  |  |  |  |

The above data was extracted from Kisii University. Using the data given, you are required to:

1. Calculate the total, average and maximum of each student [5 marks]
2. Write the formula that will grade student marks given the following criteria [4 marks]

If total > 90, A

If total B

If total C

If TotalD

If Total  D

If Total <50, E

1. Draw a line graph to represent the names and the total [3 marks]
2. Draw a pie chart to represent the above data [3 marks]

**QUESTION FOUR [15 MARKS]**

Assume that you are the secretary of Kisii County Assembly members club.

You wish to write letters to 1000 members of the club writing them to

attend a seminar at the end of the year.

**Required**

(i) Identify a word processing feature that will guide you produce the letters [2 marks]

(ii) Describe the three main components of the feature [3 marks]

(iii) Use the feature to draft the letters [10 marks]