THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

036/2 INFORMATION AND COMPUTER STUDIES 2
(PRACTICAL)
(For Both School and Private Candidates)

TIME: 3 Hours *Thursday 23rd October 2008 a.m.*

Instructions

1. This paper consists of **three (3)** questions.
2. Answer **two (2)** questions only.
3. Mathematical tables, mathematical formulae and slide rules may be used.
4. Show **all** steps in your working, giving answers at each stage.
5. Electronic calculators are **not** allowed in the examination room.
6. Cellular phones are **not** allowed in the examination room.
7. Write your **Examination Number** on every page of your answer booklet(s).

MAKTABA

This paper consists of 3 printed pages.

1. Study the annual rainfall statistics recorded from four weather stations in a duration of six years.

SITE NAME	YEARS					
	2000	2001	2002	2003	2004	2005
KIJIWE KIKUU	200	150	300	400	260	320
NSOO	210	190	299	390	280	297
SABASABA SHAURIYAKOO	250	98	259	300	159	310
KIVULINI	270	100	310	349	278	299

Use Microsoft Excel to work out the following:

(a) Enter the data in a spreadsheet and wrap texts 'Kijiwe Kikuu' and 'Sabasaba Shauriyako'

(b) Determine average amount of rainfall for the year 2002

(c) Create a chart to illustrate rainfall records for years 2004 and 2005

(d) Generate the formula to determine maximum and minimum amount of rainfall in the spreadsheet

(e) Rename your worksheet as 'Rainfall records'

(f) Orient all years to 45°

(g) Use 25% grey colour to fill cells with texts 'Site name' and 'Years'

(h) Create a column to the right of Site names and generate formula to change case for 'Site Names' to title case

(i) Change the font for site names to Arial and labels to Arial black

(j) Align all rainfall records to the centre

(k) Write the cell reference for the Maximum score

(l) Write the cell reference for Minimum score. **(25 marks)**

2. (a) Create a computerized database to hold the following information:

(i) Set of input mask in the fields; title; and address

(ii) Set the correct data types and enter the records

(iii)

Table1

TITLE	YEAR	AUTHOR	FEMALE	PUBLISHER	ADDRESS	BOOK NUMBER
Comp Studies	2005	Ally M	No	Cambridgy	234 Mos	2345
Word Processing	2003	Bernard P	No	Longmany	345 Aru	3557
Base Maths	2003	Ben K	No	Jamuhuriy	123 Mor	4576
Learn Computer	2003	Jane Z	Yes	Mtendeniy	190 Mor	2557
Comp Laboratory	2004	Regina S	Yes	Kanbuniy	195 Znz	345
Eng In studies	2004	Geofry G	No	Protetiary	029 Mby	2456
Bark To school	2005	Ben K	No	Mtendeniy	120 Tan	2454
Sun Agroforestry	2006	Benard O	No	Cambridgy	234 Mos	256
BartaThe lonely pig	2007	Muguvo S	No	Cambridgy	234 Mos	1357
Back To kabwe	2007	Ally B	No	Mtendeniy	190 Mor	367
Pry Geography	2007	Benard K	No	Mtendeniy	190 Mor	3565
Sug Project	2007	Salim A	No	Kanbuniy	195 Znz	234
Town Show	2008	Bonzol D	No	Kanbuniy	195 Znz	234

Table1						
TITLE	YEAR	AUTHOR	FEMALE	PUBLISHER	ADDRESS	BOOK NUMBER
Blue Sky	2008	Muhsin F	No	Protetiary	029 Mby	977
Come Down	2008	James G	No	Mtendeniy	190 Mor	2323
Pray For help	2008	Nuru K	Yes	Kariburny	195 Znz	5789
Upon The time	2008	Amina L	Yes	Protetiary	029 Mby	4224

(b) Create a query (author) to display the book title, publisher and a new field (author) that displays the author and the address.

(c) Maziwagi wants to search for a title called tool comp studies. Give him/her a help for easy electronic searching in a database. (25 marks)

3. Halima is assigned by her teachers to create a computerized data information system for her terminal assessments. She takes Computer studies, Additional Mathematics, Physics, Kiswahili, English, Biology and Chemistry. Her course study assessment per subject for a term include course work, project, exams and test.

(a) (i) Create a table and enter records (make marks of your own) for her, save the file as Halima assessment.

(ii) Prepare a query to display average score per subject.

(b) Design her terminal report by indicating total and average scores per subject, names, gender. The school name is Shangazi dada secondary school, address P. O. Box 4671 Vokokotoni, Tanzania.
Make your work as presentable as possible by using paper size A5, portrait orientation with margins 0.5 inches or 13 cm both sides. (25 marks)

MAKTABA