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

036/2 **INFORMATION AND COMPUTER STUDIES 2**
(PRACTICAL)
(For School Candidates Only)

Time: 3 Hours **Wednesday, 18th November 2015 a.m.**

Instructions

1. This paper consists of **three** (3) questions.
2. Answer any **two** (2) questions.
3. Each question carries **twenty five** (25) marks.
4. Save your work on the desktop in the folder named by your examination number. **You are not allowed** to save your work by using your name or school name.
5. Save your work by using the 1997-2003 version of the MS Office software you are using.
6. Submit printed **hardcopy** together with the **softcopy** of your work(s).
7. Check whether the **printed** work(s) are similar to the **softcopy** saved in the folder.
8. Cellular phones are **not** allowed in the examination room.
9. Type your **Examination Number** on every page of your softcopy work(s).

1. The following tables show books kept in a certain library. Read the tables carefully and answer the questions that follows:

Table 1: Library Books

Code Number	Title	Author's Name	Book returned (Br) or Book borrowed (Bb)	Borrower Number	Date Due Back
142	Kalulu	S.Tott	Bb	1230	20 Oct 2011
820	ICS book one	S.Mburu	Bb	1420	6 Apr 2011
403	Comp. Science	T.Chemwa	Br	642	2 May 2011
500	B/Maths	TIE	Br	462	2 May 2011

Table 2: Borrowers

Borrower Number	Borrowers Name	Borrower Address	Borrowers' Phone Number
1230	Leah Mud	P.O.Box 234, Lindi	065-437328
1420	John Komgo	P.O.Box 56, Dar es salaam	077-126798

Using a database management system program (Microsoft office access):

(a) Create a table of books called **Library Books**. Use the information given in Table 1.
(b) Create another table of borrowers called **Library Borrowers**. Use the information given in Table 2.
(c) Sort the records in part (a) in ascending order of borrowers' number.
(d) Create a query called "greater than 1000" with field: Code number, Title, Name of author, Book returned and Date due back, showing borrowers' numbers that are above 1000.
(e) Create a query, showing only books returned (Br) and the names of the author. Save the query as "Br query".
(f) Create a relationship between the tables created above.
(g) Create a report of library borrower in (b) above and name the report as "Borrowers report".
(h) Insert the current date as the header of the report created in (g) above.
(i) Create a form which includes the current time and date using the table created in part (a) above. Save your form as "Books form".
(j) Save your database as "Library database".

2. Using HTML codes, design a four pages website about your personal information as shown below:

(a) Create a home page for your personal information with navigation links to all other pages and a moving marquee heading:
WELCOME TO XXX'S WEBSITE, where XXX is your Examination number.

(b) The other three pages should be as follows:

(i) Page I: **Bio-Data** i.e. Date of birth, Nationality and Languages spoken.

Other descriptions are:
- Use bullets to list the languages spoken.
- The heading shall be "Welcome to XXX'S Bio-data".
- The link name shall be "Bio-data".
- Arrange your Bio-Data in a proper order. For example
  My Examination number: S.0309/25
  Date of Birth: 12/3/1989

(ii) Page II: **Educational Background** i.e. a table with border five (5) which shows a period of attendance and qualifications acquired.

Other descriptions are:
- The heading shall be "My educational background".
- Use "Educational" as the link name for this page.

(iii) Page III: **Responsibilities Held** i.e. a bulleted list of two responsibilities held e.g. Monitor and Head prefect.

Other descriptions are:
- The heading shall be "Responsibilities held".
- Use the "Responsibilities" as the link name for this page.

NB:
- Use "Form Four examinations" as the title for all pages.
- Use silver as the background colour for all pages.
- Save your web folder as "XXX Website", and print out your codes.

(c) Copy and paste in Microsoft office word, the **educational background** page. Save as background word.

3. A furniture shop sells furniture to customers on credit. The credit terms request the customer to make a deposit of 25% of the furniture value. The balance after the total deposit is paid in monthly instalments over 24 months without interest.

The table below shows customers and furniture's credit values:

	A	B	C	D	E	F
1	**S/N**	**Customer Name**	**Furniture Value**	**Deposit**	**Balance**	**Monthly Instalments**
2	1	Anour	85000			
3	2	Halima	55000			
4	3	Hussein	90000			
5	4	John	63500			
6	5	Baby	97500			
7	6	Ali	65800			
8	7	Kwanga	95900			

(a) Create a spreadsheet of the data above and save it as "Furniture".
(b) Make all titles bold and shade the cell background for titles in Tan colour.
(c) Format the monthly instalments values to two decimal points.
(d) Use formula to calculate values for Deposit, Balance and Monthly instalments.
(e) Sort the worksheet in alphabetical order of names, save as Furniture 2.
(f) Using a sheet in (a) above, create a fully labelled;
  (i) Column chart of customers names against monthly instalments, with the heading **monthly instalments**.
  (ii) Line chart with the heading name **Balance** of customer names against customers balances.
  (iii) Three dimensional pie chart of customer names against furniture values. Write the **customers values** as the heading of the pie chart created.

(g) Copy and paste in Microsoft office PowerPoint, the three dimensional pie chart created in part (f) (iii) above. Save as Webpage presentation.