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, 22nd October 2009 a.m*

Instructions

1. This paper consists of **three (3)** questions.
2. Answer **two (2)** questions only
3. Show **all** steps in your working giving answers at each stage.
4. Save your work to the desktop in the folder named by your examination number.
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).

This paper consists of 4 printed pages.

1. The table below shows part of Terminal Results of Changanyikeni Academy for the seven core subjects at the school. Study it careful and answer the questions that follow.

CHANGANYIKENI ACADEMY											
TERMINAL RESULTS 2009											
S/N	NAME	SEX	STREAM	CIVICS	HIST.	GEOG.	ENG.	SWAH.	MATH.	BIOL	COMP
1	JANE MPANDASHARO	F	A	65	58	67	65	59	45	61	63
2	ABDUL JEURI	M	B	55	51	62	63	85	56	75	67
3	FURAHA SIGARETI	F	A	63	30	37	46	55	51	62	63
4	ZAINAB CHUMA	F	A	36	55	51	62	63	30	55	51
5	SIAJABU MATATIZO	F	B	85	81	75	67	61	40	37	46
6	ANA YANGUMACHO	F	B	76	61	81	85	91	75	83	82
7	ADAM ULIMWENGU	M	A	85	72	75	67	65	58	67	65
8	MOHAMED KICHECHE	M	B	63	30	65	58	67	65	51	30
9	MCHELE SAHANI	M	B	30	65	58	67	65	37	30	40
10	FIKIRI MASIKINI	M	A	63	30	67	65	37	46	55	75

Using your spreadsheet knowledge work out the following:

(a) Enter all the marks in Spreadsheet and add three more rows in which you will add the following left out students and their corresponding scores respectively.

NAME	SEX	STREAM	CIV	HIST	GEOG	ENG	SWAH	MATH	COM
JUMA SALUM	M	B	36	75	57	63	61	58	65
KILIA BARAZURI	M	A	45	65	63	52	53	62	61
BILA KAPUTI	F	A	56	41	42	53	52	51	60

(b) Use formula to find the following:
   (i) Sum of the total marks for each student.
   (ii) Average for each student.
   (iii) Mean for each subject.
   (iv) If the student passed or failed. ("PASS" if the Average >= 50, and "FAIL" if Average <=49).

(c) Sort the names in ascending order.

(d) Create a clustered Column with a 3-D visual effect chart based on names and average score. (Make sure that each name of the student is visible under respective chart column) **(25 marks)**

2. Below are two tables in a relational database for a local bank: The field with asterisk (*) for each table implies that it is a primary key for that particular table. The suggested data type for each field is enclosed in a bracket.

Customer Table

Customer ID* *[Number]*	**Name** *[Text]*	**Address** *[Text]*	**Municipal** *[Text]*
1001	Mr. Smith Mboya	234 Tandika	Temeke
1002	Mrs. Sue Jones	123 UDSM	Kinondoni
1003	Mr. Axe Tilya	443 Tegeta	Kinondoni
1004	Mr. & Mrs. Kinyuko	661 Mkwepu	Ilala
1005	Ms. Zawadi Peter	567 Samora Ave.	Ilala
1006	Mr. Joseph Amos	12 Kijitonyama	Kinondoni

Account Table

Customer ID* *[Number]*	**Account** *Number** *[Number]*	**Account Type** *[Lookup Wizard]*	**Date Opened** *[Date/Time]*	**Balance** *[Number]*
1001	9987	Checking		400,000.00
1001	9980	Savings		200,000.00
1002	8811	Savings		250,000.00
1003	4422	Checking		600,000.00
1003	4433	Savings		900,000.00
1004	3322	Savings		150,000.00
1004	1122	Checking		750,000.00
1005	2000	Current		650,000.00
1005	3000	Savings		165,000.00
1006	10000	Current		521,000.00
1001	3001	Current		780,000.00

(a) Create a computerized database called BANK.

i. Within BANK database above, create the two tables by ensuring that the field names and their corresponding data types are the same as those indicated in the above tables.

ii. Design forms for both tables. The name of the form should bear the name of the table.

(b) Create a query called Customer Accounts. This query should be able to search the following information:
Name, Address, City, Account Number, Account Type, and Balance **(25 marks)**

3. The Regional Commissioner for Dar Es Salaam has asked you to prepare a computerized database to be used by the Kariakoo Market authority.

(i) Create a database and name it Kariakoo Market.

(ii) Create a table using the following information.

Product	Unit	Quantity	Unit Price
Maize	Bag	10	100,000.00
Beans	Bag	7	120,000.00
Groundnuts	Bag	5	150,000.00
Cabbage	Kg	500	1,000.00
Onions	Kg	600	800.00
Tomatoes	Crate	80	1,200.00
Ginger	Kg	100	450.00
Carrot	Kg	250	1,500.00
Spinach	Kg	300	870.00

(iii) Create a query that will sort the unit price in descending order and save it as Unit Price.

(iv) Create a query for the Product whose first name start with G through T and save it as Product. **(25 marks)**