



ZERAKI ACHIEVERS EXAMINATION 13.0
TERM TWO EXAMINATION 2024
COMPUTER STUDIES (Practical)
451/2
FORM FOUR
Time 2 ½ HOURS

Name: **Adm No:**

Class: **Candidate's Signature:** **Date:**/07/2024.

INSTRUCTIONS TO CANDIDATES

- Indicate your name, admission number and stream at the top right of each printout.
- Write your name and admission number on the CD-R OR CD-RW
- Write the name and version of the software used for each question attempted in the answer sheet.
- Passwords should not be used while saving in the storage medium.
- Answer all the questions.
- All questions carry equal marks
- All answers must be saved in your storage medium
- Make a printout of the answers on the answer sheets provided.
- Hand all the printouts and the storage medium.

QUESTION	MAXIMUM SCORE	SCORE
ONE	50	
TWO	50	
TOTAL	100	

*Candidates should check the question paper to ensure that all the
Papers are printed as indicated and no questions are missing.*

1. (a) Mwendo Bora is a middle level college that offers certificate and diploma courses. You have been tasked to create a simple database to assist the college in managing their information. Create a database and name it **Mwendo** (2 marks)
- (b) Create the following tables and for each field set an appropriate data type
Departments (DeptID, DepartmentName) (½ marks)
Courses (CourseID, DeptCode, CourseDescription, Level, Duration, CourseFees). For DeptCode create a LookUp so that it is picked from Departments Table (2 marks)
Registration (StudentName, RegNumber, DateOfBirth, County, Gender, RegDate, CCode) (1½ marks)
Fees (PaymentCode, StudentNumber, AmountPaid) (1 mark)
- (c) For each table set an appropriate primary key (3 marks)
- (d) Enter the data below in the corresponding tables (5 marks)

Fees		
PaymentCode	StudentNumber	AmountPaid
P001	CT04/05	Ksh. 23,000.00
P002	CT05/02	Ksh. 16,700.00
P003	CT08/12	Ksh. 23,200.00
P004	DIP07/10	Ksh. 14,790.00
P005	DIP07/09	Ksh. 25,900.00
P006	DIP01/01	Ksh. 15,500.00
P007	DIP01/02	Ksh. 10,900.00
P008	CT08/23	Ksh. 17,800.00
P009	CT04/07	Ksh. 30,000.00
P010	CT05/01	Ksh. 15,000.00

(2½ marks)

Courses					
CourseID	DeptCode	CourseDescription	Level	Duration	CourseFees
Cs001	D001	Electrical Engineering	Certificate	1	Ksh. 30,000.00
Cs002	D001	Electronics Engineering	Certificate	1	Ksh. 30,000.00
Cs003	D002	Information and Communication Technology	Diploma	2	Ksh. 60,000.00
Cs004	D003	Mechanical Engineering	Diploma	2	Ksh. 65,000.00
Cs005	D004	Business Administration	Certificate	1	Ksh. 25,000.00

(1 mark)

Departments	
DeptID	DepartmentName
D001	Electrical
D002	ICT
D003	Mechanical
D004	Business

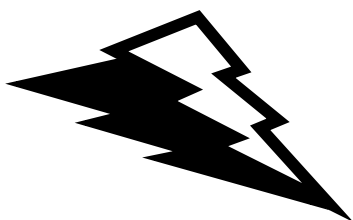
(10 marks)

Registration						
RegNumber	StudentName	DateOfBirth	County	Gender	RegistrationDate	CCode
CT04/05	Caroline Cortex	08/23/2002	Kilifi	Female	04/24/2022	Cs002
CT04/07	Maurice Kwanjin	10/28/2003	Kakamega	Male	04/23/2022	Cs002
CT05/01	Cleophas Mitrex	10/20/2005	Kisumu	Male	04/13/2022	Cs001
CT05/02	Mildred Mwanton	12/10/2004	Mombasa	Female	04/14/2022	Cs001
CT08/12	Froedin Luinardo	05/20/2006	Busia	Female	04/06/2022	Cs005
CT08/23	Georgian Zuineah	05/24/2005	Siaya	Male	02/26/2022	Cs005
DIP01/01	Maureen Dolby	05/30/2004	Bungoma	Female	04/28/2022	Cs003
DIP01/02	Charles Johanes	04/29/2005	Bondo	Male	04/24/2022	Cs003
DIP07/09	Curion Crescia	05/27/2005	Kisumu	Female	04/23/2022	Cs004
DIP07/10	Brusseline Kwanzia	04/23/2004	Homa Bay	Male	04/22/2022	Cs004

- (e) Relate the four tables (2 marks)
- (f) Create a query to display **RegNumber**, **StudentName**, **CourseDescription**, **Level**, **FBalance** (fees balance) for all students who owe the college 15,000 and above. Name it **HugeBalances** (5 marks)
- (g) Create a query to display the total fees collected per department and name it **DepartmentalCollections** (3½ marks)
- (h) Create a pie chart to represent the total departmental fees; include data labels (departmental totals and percentage). Give the chart the title Departmental Fees Collection and name it DepartmentalFees (6 marks)

- (i) Print the following:
- Courses
 - Departments
 - Registration
 - HugeBalances
 - DepartmentalFees

(5 marks)



LONTENOI SECONDARY SCHOOL

P. O. BOX 456 - 0057800

LODWAR

lontenoisecondary@gmail.com

To

«Salutation»

«FirstName» «LastName»

P. O. Box «Number» - «Code»

«Town»

Dear «Salutation»,

RE: INVITATION TO ACADEMIC CLINIC

You are hereby invited to the above referenced function that will take place in the school hall on 20th August 2022 starting at 9:00AM sharp. Below is a table of the day's activities.

You are advised to make arrangements to clear your fees. All the students with fee balances will be sent back home on the same day.

Looking forward to seeing you on that day.

TIME	ACTIVITY	IN CHARGE
9:00AM	ARRIVAL AND WELCOME OF THE PARENTS	SCOUTS
9:30AM	OPENING PRAYERS	SCHOOL CHAPLIN
10:00AM	DISCUSSION OF INDIVIDUAL PERFORMANCE	PARENTS, TEACHERS AND STUDENTS
12:00PM	OPEN FORUM	ALL

2. (a) Open a desktop publishing software and set the page as follows and save the document as

Invitation

(6 marks)

Paper size A4

All the four margins i.e. top, bottom, left and right 1cm

- (b) Create the above publication exactly as it appears and save the changes (30 marks)
- (c) Create the data source below in word processor and save it as **Parents** (5 marks)

Salutation	FirstName	LastName	Number	Code	Town
Mr.	Moses	Akaranga	450	00100	NAIROBI
Dr.	Millicent	Kamau	567	00300	KIAMBU
Miss	Christine	Munene	250	00500	IKOLOMANI

- (d) Merge the Invitation to a new publication using the above data source and save the new publication as **individualized** (7 marks)
- (e) Print the following (2 marks)

Invitation

Individualized